

حمل الآن

مجاناً وحصرياً

المراجعة رقم (1)

اختبار شهر نوفمبر



1. Choose the correct answer.

1. The mathematical sentence $27 + 4.6 = m$ represents _____ [Giza - 6th October 24]
 A. a variable. B. an equation. C. an expression. D. neither.
2. $7.35 + 2.65 = 10$ represents _____ [Cairo - El Mokattam 24]
 A. an equation. B. an expression. C. a variable. D. otherwise.
3. Which of the following is an equation ? [Giza 24]
 A. $1.8 + m$ B. $m + 2.4 + 2$ C. $5 \times m$ D. $m + 2 = 7$
4. Which of the following is an expression ? [Alexandria - West 24]
 A. $x + 0.8 - 1.6$ B. $3.25 + y = 5.55$ C. $2.36 - 1.5 = m$ D. Twice the number 6
5. In $35.4 + x = 72$, the variable is _____ [Alexandria - El Montaza 24]
 A. 36.6 B. x C. 35.4 D. 72
6. If $x + 5.8 = 7.8$, then $x =$ _____ [Port Said - Port Fouad 24]
 A. 7.8 B. 5.8 C. 2 D. 12.8
7. The value of variable k in the equation : $7.5 = k + 5$ is _____ [Cairo - El Maadi 24]
 A. 25 B. 2.5 C. 0.25 D. 12.5
8. The value of the variable x in the equation $x - 3.5 = 0.4$ is _____ [Giza - El Haram 24]
 A. 3.009 B. 3.05 C. 3.09 D. 3.9
9. The number 13 has _____ Factor[s]. [Ismailia 24 , El Monofia - Quesna 24]
 A. 1 B. 2 C. 3 D. 4
10. The smallest even prime number is _____ [Cairo - Helwan 24]
 A. 2 B. 3 C. 4 D. 6
11. The only even prime number is _____ [Souhag 23]
 A. 0 B. 2 C. 4 D. 6
12. The next prime number after 7 is _____ [Giza 23]
 A. 15 B. 13 C. 11 D. 10
13. The prime number where the sum of its factors is 8 is _____ [El Kalyoubia 23]
 A. 2 B. 3 C. 5 D. 7

14. All the following are prime numbers except _____ [El Monofia - Shebin El kom 24]
 A. 2 B. 11 C. 28 D. 23
15. The composite number in the following numbers is _____ [Cairo - West 24]
 A. 3 B. 7 C. 5 D. 15
16. The prime factors of 15 are _____ [Giza - Awseem 24]
 A. 1 and 3 B. 3 and 5 C. 5 and 15 D. 1 and 15
17. The prime factorization of 24 is _____
 A. 6×4 B. 8×3 C. $3 \times 2 \times 2$ D. $2 \times 2 \times 2 \times 3$
18. The number whose the prime factorization $2 \times 2 \times 5$ is _____ [Port Said - Port Fouad 24]
 A. 225 B. 45 C. 20 D. 9
19. The number whose prime factors are 2, 2 and 3 is _____ [El Monofia - Ashmoon 24]
 A. 6 B. 21 C. 4 D. 12
20. The common factor of all the number is _____ [Ismailia - El kassaseen 24]
 A. 0 B. 2 C. 1 D. 3
21. The common factor of 3 and 8 is _____ [El Monofia - Tala 24]
 A. 24 B. 3 C. 8 D. 1
22. The G.C.F of 8 and 4 is _____ [El Beheira - Rasheed 24]
 A. 1 B. 2 C. 4 D. 8
23. _____ is a common multiple of 9 and 6 [El Monofia - Quesna 24, Giza - El Haram 24]
 A. 12 B. 18 C. 24 D. 27
24. The number _____ is one of the multiples of 7 [El Monofia - El Bagour 24]
 A. 15 B. 28 C. 40 D. 32
25. The number 35 is a multiple of _____ [kafr El Sheikh 24]
 A. 2 B. 3 C. 5 D. 9
26. The common multiple of all numbers is _____ [Giza - 6th October 24]
 A. 0 B. 1 C. 2 D. 3
27. The L.C.M of 5 and 7 is _____ [Cairo - El Sayeda Zeinab 24]
 A. 7 B. 5 C. 12 D. 35
28. The L.C.M of 4 and 12 is _____ [Giza 24]
 A. 12 B. 4 C. 20 D. 16

2. Complete the following.1. The variable in the equation : $x + 5 = 9$ is _____

[Cairo - El Marg 23]

2. If $a + 3.5 = 6.5$, then $a =$ _____

[Giza - South 24]

3. The value of M in the equation : $2.342 - M = 1.924$ is _____

[Ismailia 24]

4. The equation which represents the bar model
is _____

3.5	
w	2.8

[Alexandria - Agmi 24]

5. In the bar model

47.3	
p	17.1

, the value of the $p =$ _____

[Alexandria - El Montaza 24]

6. In the opposite bar model :

The value of the unknown $F =$ _____

F	
5.05	5.5

[El Monofia - Menof 24]

7. _____ is the smallest odd prime number.

[Cairo - New 24]

8. The smallest even prime number is _____

[Port Said - Port Fouad 24]

9. The number whose prime factors are 2, 2, 3 and 5 is _____

[El Beheira 23]

10. The common factor of all numbers is _____

[Cairo - Ain Shams 24]

11. _____ and _____ are prime factors of 6

[Aswan 23]

12. The G.C.F of 2 and 5 is _____

[Port Said - East 24]

13. The G.C.F of 12 and 16 is _____

[Cairo - El Mokattam 24, Giza - El Omrania 24]

14. The common multiple for all numbers is _____

[El Monofia - Tala 24, Quesna 24]

15. The L.C.M of 3 and 7 is _____

[Port Said - North 24]

16. The L.C.M of 20 and 30 is _____

[Cairo - West 24]

3. Answer each of the following.

1. Find the greatest common factor [G.C.F] of 36 and 24

[Alexandria - Agmi 24]

2. Find [L.C.M] for the two numbers [8 and 12]

[El Beheira 23]

3. Find the L.C.M and G.C.F for the two numbers 6 and 10

[Cairo - El Marg 23]

4. Solve each of the following equations using inverse operation strategy.

a. $x + 3.40 = 7.04$

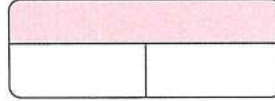
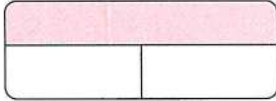
b. $y - 2.34 = 3.66$

5. Solve the following equations [create a bar model to solve each problem].

a. $T - 2.5 = 2.9$

b. $2.45 + y = 9$

[Cairo - El Sahel 24]



6. Answer the following.

a. List the first five multiples of 8

b. List the first six multiples of 4

c. What are the common multiples of 8 and 4 ?

7. Mona waters one of her plants every 4 days and another plant every 6 days. If she waters both plants today.

When is the next time both plants will be watered on the same day ?

1. Choose the correct answer.

1. $47 \times 1,000 =$ _____

[El Menia 24]

A. 470

B. 4,700

C. 4.7

D. 47,000

2. _____ $\times 5 = 5,000$

[Port Said - East 24, El Fayoum 24]

A. 10

B. 100

C. 1,000

D. 0.1

3. $70 \times$ _____ $= 7,000$

[Kafr El Sheikh - Bayala 24, kalyoubia 23]

A. 1

B. 10

C. 100

D. 1,000

4. If $496 = 4 \times [A] + 9 \times [B] + 6$, then $A + B =$ _____

[Assiut 23]

A. 100

B. 10

C. 110

D. 490

5. If $54 \times a = 18 \times 54$, then $a =$ _____

[Alexandria - Agmi 23]

A. 972

B. 54

C. 18

D. 3

6. If $9 \times r = 36$, then $r =$ _____

[Cairo - El Sayeda Zeinab 24]

A. 6

B. 9

C. 8

D. 4

7. $30 \times 15 =$ _____

[El Menia - Matay 23]

A. 45

B. 45 Tens.

C. 45 Hundreds.

D. 45 Thousands.

8. $20 \times 50 =$ _____

[El Gharbia 23]

A. 100

B. 1,000

C. 2,500

D. 25

9. $110 \times 40 =$ _____

A. 44

B. 440

C. 4,400

D. 44,000

10. $20 \times 15 =$ _____ Hundreds.

[Giza 24]

A. 30

B. 3,000

C. 300

D. 3

11. 5 Hundreds $\times$ 3 Hundreds $=$ _____ Hundreds.

A. 15

B. 53

C. 1,500

D. 8

12. 49×912 is closer to _____

[Alexandria - West 24]

A. 4,500

B. 45,000

C. 40,000

D. 400

13. Estimate $415 \times 33 =$ _____

[El Monofia - Shebin El kom 24]

A. 12,000

B. 1,200

C. 150,000

D. 1,600

14. The product of 193×19 near close to _____

[El Monofia - Menof 24, Cairo - Nasr City 23]

A. 4,000

B. 40

C. 400

D. 40,000

15. The product of 57×83 by using front-end estimation _____ [Aswan - Edfo 24]

- A. 40,000 B. 4,000 C. 400 D. 4,800

16. $[100 + 100 + 70 + 4] \times [6 + 80] =$ _____ [Suez 23]

- A. 174×86 B. 174×68 C. 274×86 D. 274×68

17. $2 \times [5 \times 4] = [2 \times \text{_____}] \times 4$ [Kafr El Sheikh 24]

- A. 4 B. 5 C. 2 D. 0

18. $53 \times \text{_____} = [53 \times 4] + [53 \times 6]$ [El Kalyoubia 23]

- A. 4 B. 6 C. 8 D. 10

19. $[3 \times 61] + [5 \times 61] = \text{_____} \times 61$ [Cairo - El Mokattam 24]

- A. 53 B. 35 C. 8 D. 6

20. $[4 \times 85] + [2 \times 85] = \text{_____} \times 85$ [Ismailia - Fayed 24, Giza - Awseem 23]

- A. 24 B. 42 C. 8 D. 6

21. $[80 \times 10] + [80 \times 3] + [3 \times 10] + [3 \times 3] =$ _____ [Ismailia 24]

- A. 83×13 B. 38×13 C. 83×31 D. 38×31

22. 16×15 ○ 20×13

- A. > B. = C. <

23. 327×53 ○ 199×43

- A. > B. < C. = D. ≤

24. $83 \times 14 =$ _____ [Port Said 24]

- A. 1,126 B. 97 C. 83.14 D. 1,162

25. $1,234 \times 25 =$ _____ [El Fayoum - West 23]

- A. 30,850 B. 30,854 C. 30,751 D. 30,755

26. $3 \begin{array}{|c|c|} \hline 60 & 5 \\ \hline 180 & 15 \\ \hline \end{array}$ represents _____

[El Sharkia 23, Cairo - El Basateen and El Salam 24]

- A. $63 \div 5$ B. $65 \div 3$ C. $165 \div 3$ D. 65×3

27. What is the unknown value in the area model of 27×43 ?

[Assiut 23]

- A. 6 B. 60
C. 12 D. 120

×	40	3
20	800	?
7	280	21

28. The missing number in the opposite product is _____

A. 2,451

B. 1,524

C. 1,452

D. 1,542

$$\begin{array}{r} 514 \\ \times 13 \\ \hline + 5,140 \\ \hline 6,682 \end{array}$$

29. A pair of shoes costs 500 L.E. , which is 5 times as much as a shirt costs , then the shirt cost = _____ L.E.

A. 500

B. 400

C. 300

D. 100

30. Mona bought 31 boxes of juice for 25 L.E. each. She paid = _____ L.E.

A. 757

B. 775

C. 577

D. 7,750

31. What is the ones digit of the product of 456×24 will be without solving the whole problem ?

[El Monofia - El Sadat 23]

A. 3

B. 4

C. 5

D. 6

2. Complete the following.

1. If $b \times 3 = 24$, then $b =$ _____

[Giza - El Omrania 24]

2. $3 \times 500 =$ _____

[Port Said 24]

3. _____ $\times 15 = 15,000$

[El Beheira 24]

4. $30 \times 40 =$ _____

[Alexandria - El Gamarek 24]

5. $142 \times 2 =$ _____

[Cairo - New 24]

6. $21 \times 64 =$ _____

[Aswan - kom Ombo 23]

7. $2,134 \times 5 =$ _____

8. $70,000 = 7 \times$ _____

9. $40 \times 12 =$ _____

[Giza - 6th October 24]

10. $9 \times 27 = [9 \times \text{_____}] + [9 \times 7]$

[Alexandria - West 23]

11. $4 \times 354 = [4 \times 300] + [4 \times 50] + [4 \times \text{_____}]$

[El Monofia - Menof 24, Sers El Layan 24]

12. $[6 \times 87] + [20 \times 87] = \text{_____} \times 87$

[Giza 24]

13. $[40 \times 30] + [40 \times 8] + [7 \times 30] + [7 \times 8] = \text{_____} \times \text{_____}$

[Alexandria - Agmi 24]

14. This area model

80	90	8
9		

 represents the product _____ $\times$ _____

[El Monofia - Tala 24]

3. Answer each of the following.

1. Find the missing number.

[Giza - Awseem 23]

a. If $n \times 123 = 0$, then $n =$ _____

b. If $5 \times m = 35$, then $m =$ _____

2. Find the product of 56×12 [Use one of the multiplication strategies]

[El Monofia - El Bagour 24]

3. A factory produces 320 toys each month. What is the number of toys that is produced in 12 months ?

[Alexandria - Agmi 24]

4. A box of mangoes weights 9 kilograms.

How many kilogram would 1,000 boxes weight ?

[Aswan 23]

5. 8 Friends everyone has 122 pounds. Find the total amount of money.

[El Gharbia 23]

6. Marwa saved 125 pounds ,Ahmed saved 11 times as Marwa , Mariam saved 9 times as Marwa. How much money they saved ?

7. Ahmed has 300 pounds to spend on new clothes if he bought 12 pair of socks for 18 pounds a pair. How money will he have left to spend ?

[Ismailia 24]

General Revision

On Unit 4

1. Choose the correct answer.

1. $24 \div \text{————} = 8$

- A. 12 B. 4 C. 3

[El Beheira - Rasheed 24]

D. 6

2. $90 \div \text{————} = 10$

- A. 90 B. 19 C. 9

[El Monofia - Ashmoon 24]

D. 0.9

3. $150 \div 15 = \text{————}$

- A. 10 B. 101 C. 51

[Giza - Abo El Nomrous 24]

D. 15

4. $23 \div 1 = \text{————}$

- A. 0 B. 1 C. 23

[Giza - South 24]

D. 24

5. $0 \div 25 = \text{————}$

- A. 0 B. 25 C. 1

[Giza - El Omrania 24]

D. 2

6. $8,100 \div 90 = \text{————}$

- A. 9 B. 0.9 C. 90

[Port Said 24]

D. 0.09

7. ———— has no remainder.

- A. $16 \div 3$ B. $16 \div 5$ C. $16 \div 6$

[El Monofia - Tala 24]

D. $16 \div 8$

8. The divisor in the equation $39 \div 5 = 7 \text{ R } 4$ is ————

- A. 7 B. 5 C. 39

[Ismailia - El Kassaseen 24]

D. 4

9. If $45 \div 6 = 7 \text{ R } 3$, then the dividend is ————

- A. 6 B. 45 C. 7

[Cairo - El Mokattam 24]

D. 3

10. In the equation : $24 \div 6 = 4$, the remainder is ————

- A. 0 B. 1 C. 2

[Cairo - El Basateen and El Salam 24]

D. 4

11. The quotient in the equation : $63 \div 7 = 9$ is ————

- A. 63 B. 7 C. 9

[Alexandria - El Montaza 24]

D. 0

12. $1,515 \div 15 = \text{————}$

- A. 11 B. 101 C. 1,001

[Cairo - El Mokattam 24, Ismailia 23]

D. 15

13. $4,150 \div 29 = 143 \text{ R } \text{————}$

- A. 4 B. 2 C. 1

[Ismailia 24, Giza - Awseem 23]

D. 3

14. In the opposite area model of division
the value of x is ————

- A. 1 B. 10
C. 100 D. 1,000

	200	x	7
34	$\begin{array}{r} 7,378 \\ -6,800 \\ \hline 578 \end{array}$	$\begin{array}{r} 578 \\ -340 \\ \hline 238 \end{array}$	$\begin{array}{r} 238 \\ -238 \\ \hline 000 \end{array}$

[Ismailia - El kassaseen 24]

D. 3

15. If $125 \times 5 = 625$, then $627 \div 5 = 125 \text{ R } \text{————}$

- A. 1 B. 0 C. 2

16. If $4,092 \div 12 = 341$, then $341 \times 12 =$ _____

- A. 4,091 B. 4,092 C. 4,093 D. 4,094

17. If $3,321 \div 27 = 123$, then $3,323 \div 27 =$ _____

- A. 123 B. 123 R 1 C. 123 R 2 D. 123 R 3

2. Complete the following.

1. $3,600 \div 4 =$ _____

[Alexandria - Agmi 24]

2. $29 \div 4 = 7$ R _____

[Cairo - El Mokattam 24, Port Said - North 24]

3. If $30 \div 5 = 6$, then 5 is called _____

[El Gharbia 23]

4. If we divide 18 plums equally into 3 bags, then the number of plums in each bag is _____ plums.

[Ismailia 23]

5. $120 \div 30 =$ _____

[Alexandria - El Gamarek 24]

6. Quotient $\times$ divisor + remainder = _____

[Ismailia 24]

7. The quotient in the opposite area model is _____

	70	3
25	$\begin{array}{r} 1,825 \\ -1,750 \\ \hline 75 \end{array}$	$\begin{array}{r} 75 \\ -75 \\ \hline 00 \end{array}$

8. If $13 \times 257 = 3,341$, then $3,344 \div 13 = 257$ R _____

9. $2,761 \div 2,761 =$ _____

10. If $650 \div 25 = 26$, then $26 \times 25 + 5 =$ _____

11. $1,227 \div 12 =$ _____ R _____

[Cairo - Al Khalifa and Al Mokattam 23]

3. Answer each of the following.

1. Find the quotient of division $6,224 \div 16$

[Cairo - El Mokattam 24]

2. Distribute 3,600 L.E. between 9 persons equally. How much every one takes ?

[Giza - El Agouza 23]

3. A teacher wants to distribute 510 prizes among 5 classes equally. How many prizes does each class get ?

[El Monofia - Menof 24, Sers El Layan 24]

4. If 165 passengers travel to Cairo by private cars, the number of passengers in each car is 11 passengers, what is the number of cars to transport all the passengers ?

[El Kalyoubia 23]

5. A charity wants to distribute 3,125 pounds between 25 persons equally. What's the share of each person ?

[Giza - Abo El Nomrous 23]

6. There are 1,500 animals in one barn. There are 574 goats, 346 cows and the rest are horses. If 80 horses were sold, how many horses are left in that barn ?

November Test 1



(5 marks)

1. Choose the correct answer.

a. Since $9 \times 4 = 36$, then $0.09 \times 0.4 =$ _____

- A. 36 B. 3.6 C. 0.36 D. 0.036

b. $2,215 \div 15 = 147 \text{ R } \underline{\hspace{1cm}}$

- A. 15 B. 10 C. 5 D. 0

c. $5,508 =$ _____

- A. 54×342 B. 36×153 C. 61×281 D. 32×372

d. $2 \times$ _____ $= 2,000$

- A. 10 B. 100 C. 1,000 D. 10,000

e. 876×72 is near close to _____

- A. 56,000 B. 5,600 C. 63,000 D. 72,000

2. Complete.

(5 marks)

a. $1,414 \times 0.1 =$ _____b. $34 \times$ _____ $= 3,400$ c. $15 \times 46 = [10 \times \underline{\hspace{1cm}}] + [10 \times 6] + [5 \times 40] + [\underline{\hspace{1cm}} \times 6]$ d. $2,731 \div 1 =$ _____e. $2.41 \times 0.2 \approx$ _____ [to the nearest Tenth]

3. a. Ahmad saved 125 pounds, Manal saved 12 times as Ahmad, Bassem saved 15 times as Ahmad. How much money they saved? (2 marks)

- b. Divide using any method you prefer. (3 marks)

1. $65 \overline{) 543}$

2. $1,919 \div 19$

November Test 2

Total mark
15
(5 marks)

1. Choose the correct answer.

a. 3×5 Hundredths = _____

- A. 1.5 B. 0.15 C. 15 D. 0.015

b. If $7,785 \div 31 = 251 \text{ R } 4$, then $31 \times 251 =$ _____

- A. 7,784 B. 7,782 C. 7,781 D. 7,783

c. $85 \times 69 = [80 \times 60] + [80 \times 9] + [5 \times 9] + [\text{_____}]$

- A. 5×6 B. 5×60 C. 80×6 D. 50×60

d. $320 \times 15 =$ _____ Hundreds.

- A. 4,800 B. 480 C. 48 D. 4.8

e. 0.15×100 1.5×0.01

- A. > B. < C. =

2. Complete.

(5 marks)

a. If $326 \times 7 = 2,282$, then $0.326 \times 7 =$ _____

b. $15 \times$ _____ = 15,000

c. $2,002 \div 22 =$ _____

d. If $735 \div 21 = 35$, then $35 \times 21 =$ _____

e. If $7,785 \div 31 = 251 \text{ R } 4$, then the dividend is _____

3. a. If 18 plums are divided equally into 3 bags, then how many plums will be in each bag?

(2 marks)

b. Find the G.C.F and L.C.M for 9 and 12

(3 marks)

November Test 3



(5 marks)

1. Choose the correct answer.

- a. The decimal point in the product of 3.9×4.23 is after _____ place[s].
 A. 1 B. 2 C. 3 D. 4
- b. In the equation $36 \div 4 = 9$, the quotient is _____.
 A. 36 B. 4 C. 9 D. zero
- c. What is the Ones digit in the product of 36×123 ?
 A. 8 B. 6 C. 3 D. 2
- d. Quotient $\times$ divisor + remainder = _____.
 A. divisor. B. quotient. C. remainder. D. dividend.
- e. $0.002 \times 1,000$ $20,000 \times 0.001$
 A. > B. < C. =

2. Complete.

(5 marks)

- a. $0 \div 31,564 =$ _____
- b. $1,515 \div 15 =$ _____
- c. $253 \times$ _____ $= [70 + 200] + [70 \times 50] + [70 \times 3] + [4 \times 200] + [4 \times 50] + [4 \times 3]$
- d. $4.125 \times 8.3 =$ _____
- e. $4.321 \times$ _____ $= 432.1$

3. a. A baker made 135 serving of baklava for a party. If each baking tray holds 11 servings of baklava , how many trays will be needed to hold all the baklava ? (2 marks)

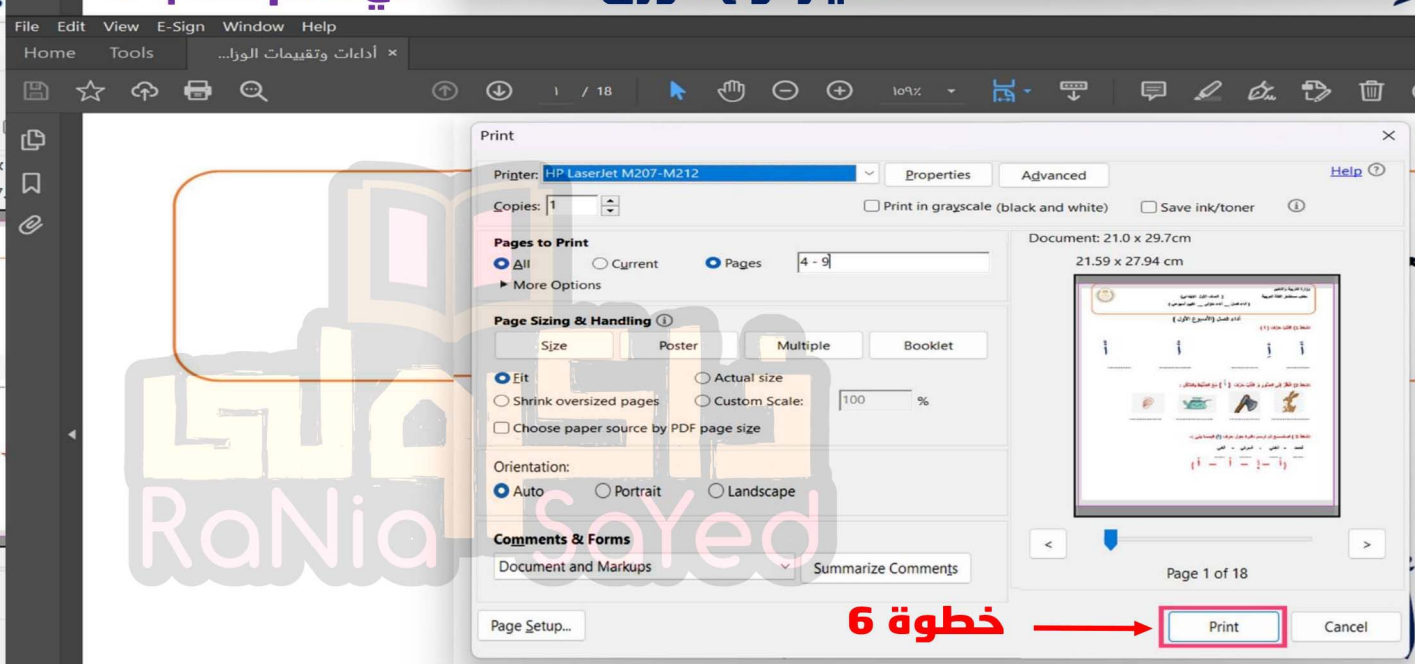
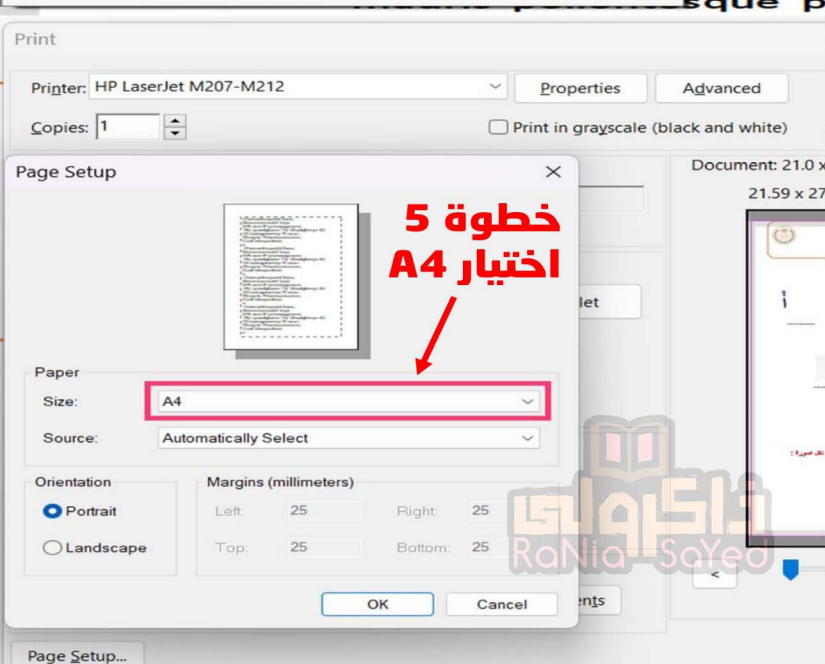
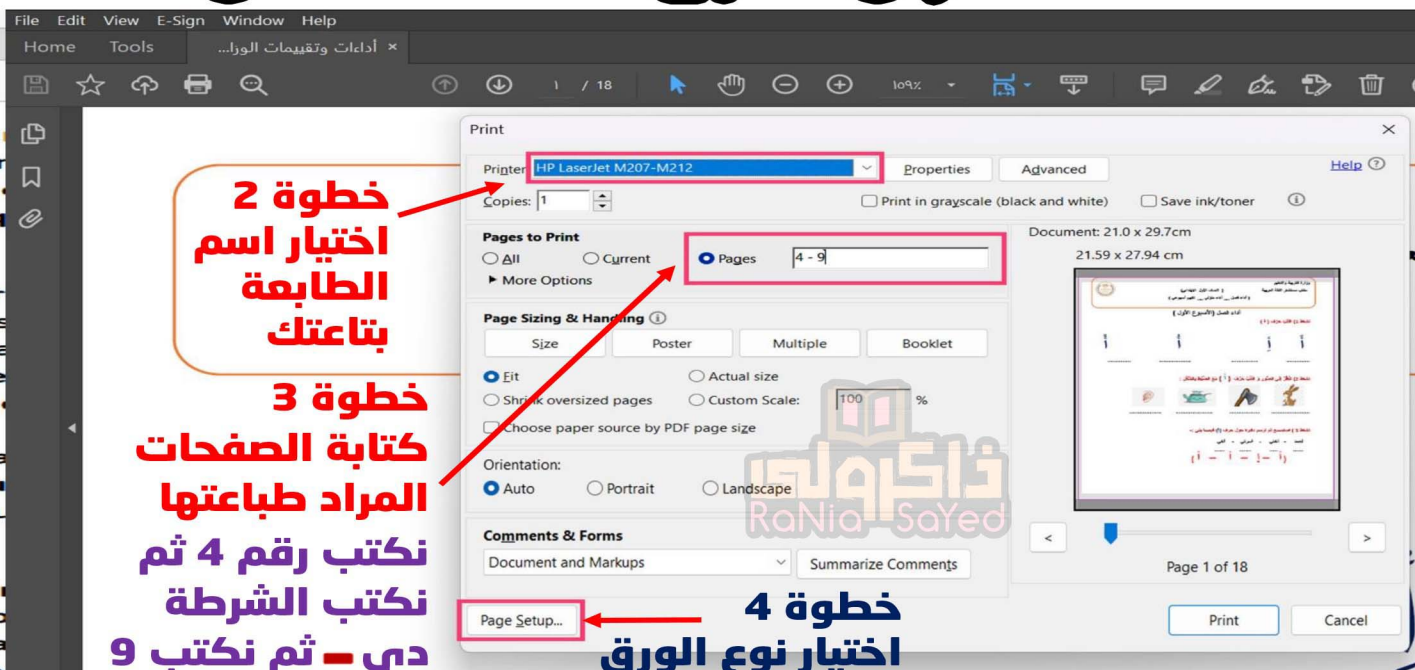
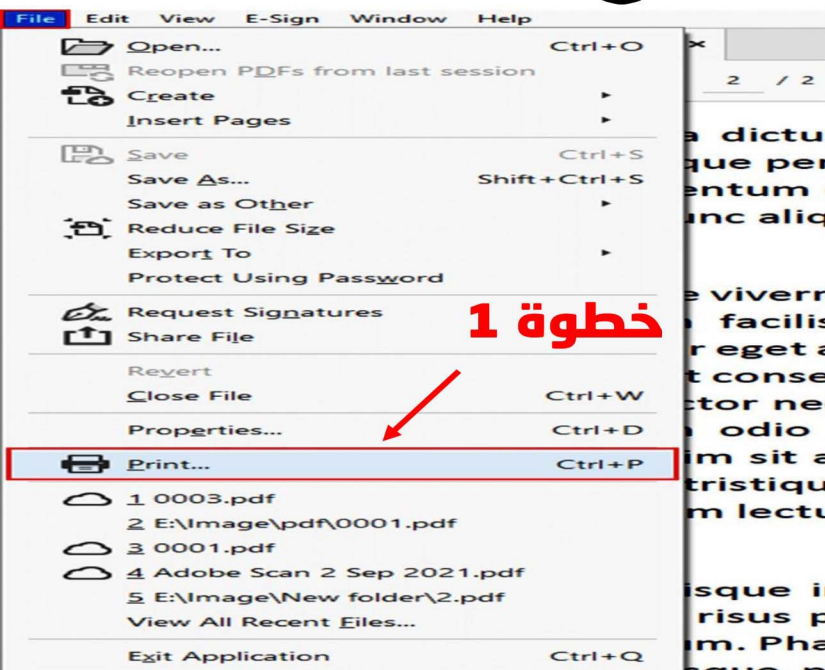
- b. Solve each of the following problems using any method you prefer. (3 marks)

1. 32×71

2. 201×56

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجاناً وحصرياً

المراجعة رقم (2)

اختبار شهر نوفمبر



1 Choose the correct answer:

2

a The number 45 is a multiple of number

a) 7

b) 9

c) 6

d) 2

b $34 \times \dots = (34 \times 5) + (34 \times 7)$

a) 7

b) 5

c) 12

d) 34

2 Answer each of the following:

8

a Find the G.C.F and L.C.M for 24 and 30.

.....

.....

b Find the quotient of division: $6,224 \div 16$

.....

.....

c A factory produces 320 toys each month.

What is the number of toys that are produced in 12 months?

.....

.....

d Estimate the product of $3,241 \times 48$ using rounding to the greatest place value.

.....

.....

1 Choose the correct answer:

a The smallest odd prime number is

a) 1

b) 2

c) 3

d) 0

b The common multiple of all numbers is

a) 1

b) 2

c) 3

d) 0

2 Answer each of the following:

a From the opposite area model, find the value of A and B.

.....
.....

	60	7
30	B	210
4	240	A

b Find the quotient of division: $3,350 \div 25$

.....
.....

c Write 5 multiples of number 7.

.....
.....

d A textile factory used 6,700 meters of silk fabric; the amount of wool fabric used was 3,500 meters less than the silk fabric. How many meters of wool fabric were use?

.....
.....

2

1 Choose the correct answer:

- a) The number 45 is a multiple of number
 a) 7 b) 9 c) 6 d) 2
- b) $34 \times \dots = (34 \times 5) + (34 \times 7)$
 a) 7 b) 5 c) 12 d) 34

2 Answer each of the following:

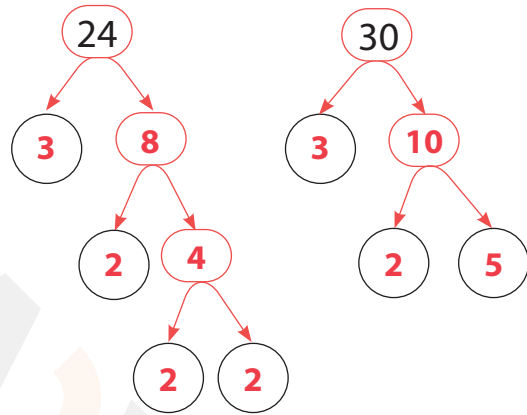
- a) Find the G.C.F and L.C.M for 24 and 30.

$$24 = 3 \times 2 \times 2 \times 2$$

$$30 = 3 \times 2 \times 5$$

$$\text{G.C.F} = 3 \times 2 = 6$$

$$\text{L.C.M} = 3 \times 2 \times 2 \times 2 \times 5 = 120$$



- b) Find the quotient of division: $6,224 \div 16$

$$\begin{array}{r}
 389 \\
 16 \overline{) 6224} \\
 \underline{48} \\
 142 \\
 \underline{128} \\
 144 \\
 \underline{144} \\
 00
 \end{array}$$

$$\text{, then } 6,224 \div 16 = 389$$

- c) A factory produces 320 toys each month.

What is the number of toys that are produced in 12 months?

$$\text{The number of toys produced in 12 months} = 320 \times 12 = 3,840 \text{ toys}$$

- d) Estimate the product of $3,241 \times 48$ using rounding to the greatest place value.

If $3,241 \approx 3,000$ (to nearest 1,000) and $48 \approx 50$ (to nearest 10) ,

$$\text{then } 3,241 \times 48 \approx 3,000 \times 50 = 150,000$$

1 Choose the correct answer:

a The smallest odd prime number is

a) 1

b) 2

c) 3

d) 0

b The common multiple of all numbers is

a) 1

b) 2

c) 3

d) 0

2 Answer each of the following:

a From the opposite area model, find the value of A and B.

$$A = 4 \times 7 = 28, B = 30 \times 60 = 1,800$$

	60	7
30	B	210
4	240	A

b Find the quotient of division: $3,350 \div 25$

	100	30	4
	3,350	850	100
25	—	—	—
	2,500	750	100
	850	100	0

$$\text{then } 3,350 \div 25 = 134$$

c Write 5 multiples of number 7.

Multiples of 7 are : 0 , 7 , 14 , 21 , 28

d A textile factory used 6,700 meters of silk fabric; the amount of wool fabric used was 3,500 meters less than the silk fabric. How many meters of wool fabric were use?

$$\text{The amount of wool fabric} = 6,700 - 3,500 = 3,200 \text{ meters}$$

1 Choose the correct answer:

- a The divisor in $216 \div 43 = 5 \text{ R}1$ is
 a) 43 b) 216 c) 5 d) 1
- b The estimation of 14×527 is
 a) 6,000 b) 500 c) 5,000 d) 140

2 Answer each of the following:

- a From the opposite area model, write the dividend, the divisor, and the quotient.

	300	60	9
24	8,856	1,656	216
	–	–	–
	7,200	1,440	216
	–	–	–
	1,656	216	000

The dividend: 8,856 , the divisor: 24 , the quotient: 369

- b Youssef owns a restaurant. He sold 30 desserts in the first week and 40 desserts in the second week. Each dessert requires 100 grams of flour.
 How many grams of flour did he use in both weeks?

The total number of desserts in both weeks = $30 + 40 = 70$ desserts

The total amount of flour used = $70 \times 100 = 7,000$ grams

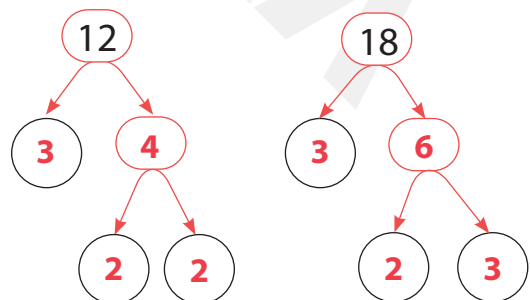
- c Find the G.C.F and L.C.M for 12 and 18.

$$12 = 3 \times 2 \times 2$$

$$18 = 3 \times 2 \times 3$$

$$\text{G.C.F} = 3 \times 2 = 6$$

$$\text{L.C.M} = 3 \times 2 \times 2 \times 3 = 36$$



- d A school distributed 840 books among 15 classes equally, find the number of books given to each class.

Number of books given to each class = $840 \div 15 = 56$ books

حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

اختبار شهر نوفمبر



Unit 2



Assessment on Concept 2

First: Choose the correct answer:

- 1 The number has only **two** factors.
 (a) prime (b) composite (c) even (d) odd
- 2 is a common multiple of **10** and **5**.
 (a) 20 (b) 15 (c) 5 (d) 24
- 3 All the following numbers are multiples of **8**, except
 (a) 16 (b) 24 (c) 32 (d) 36
- 4 The **greatest common factor** of **12** and **6** is
 (a) 2 (b) 3 (c) 6 (d) 12

Second: Complete the following sentences:

- 1 is a common factor of all numbers.
- 2 **40, 25,** and **15** are multiples of the number
- 3 is a common multiple of all numbers.
- 4 The **LCM** of **15** and **30** is
- 5 If $40 = 5 \times 8$, then is a multiple of the two numbers and

Third: Put (✓) or (x):

- 1 **2** is an odd prime number. ()
- 2 The **GCF** of **2** and **3** is **3**. ()
- 3 The prime factors of **18** are 1, 2, 3, 6, 9, and 18. ()
- 4 **14** is the LCM of **2** and **14**. ()
- 5 0 and 7 are the multiples of **7**. ()

Fourth: Answer the following:

Sameh wants to divide **21** pens and **35** notebooks into groups so that each group contains the same number of tools. What is the largest number of groups that can be formed for each type of tool?

How many pens are in each group? How many notebooks are in each group?



Assessment on Unit 2

First: Choose the correct answer:

- 1 $7.5 + 5.25 = m - 2.35$ is
 (a) a variable (b) a mathematical expression
 (c) an equation (d) other
- 2 In the equation that represents, "Yassin had 35.5 pounds, and he bought a toy for 23.25 pounds. How much money is left with him?" is
 (a) $35.5 + x = 23.25$ (b) $x = 35.5 + 23.25$
 (c) $23.25 + x = 35.5$ (d) $x - 35.5 = 23.25$
- 3 If $12.4 + x = 26.3 - 10.04$, then $x =$
 (a) $12.4 + 26.3 + 10.04$ (b) $(26.3 - 10.04) - 12.4$
 (c) $13.26 + 12.4$ (d) $(26.3 - 10.04) + 12.4$
- 4 The equation that expresses the corresponding **bar model** is
 (a) $y = 2.63 + 1.2$ (b) $y = 2.63 - 1.2$
 (c) $y - 1.2 = 2.63$ (d) $y + 2.63 = 3.83$
- | | |
|---|------|
| | 2.63 |
| y | 1.2 |
- 5 "Ahmed has 5 pens and 3 books" is
 (a) a variable (b) a mathematical expression
 (c) an equation (d) other
- 6 If the factors of a number are **1, 2, 4, and 8**, then its prime factors are
 (a) $2 \times 2 \times 2$ (b) 2×4 (c) 1×8 (d) $1 \times 2 \times 4$
- 7 The **LCM** of any **two** prime numbers is
 (a) the largest number (b) the smallest number
 (c) 0 (d) their product
- 8 **18** is a multiple of
 (a) 8 (b) 36 (c) 9 (d) 12
- 9 The LCM of **6** and **4** is
 (a) 12 (b) 24 (c) 36 (d) 48
- 10 **30** is a common multiple of the **two** numbers
 (a) 10 and 8 (b) 6 and 12 (c) 30 and 9 (d) 10 and 15

Units Revision

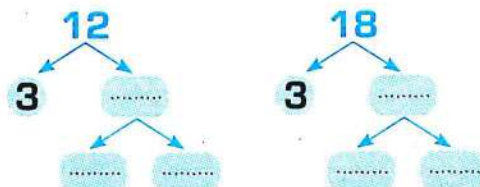
Second: Complete the following:

- 1 If $8.235 + p = 10.224$, then $p =$
- 2 All prime numbers are numbers, except, which is an even number.
- 3 If $x = 3.51$, then $x - 1.28 =$
- 4 If $t \times 8 = 56$, then $t =$
- 5 The equation that represents [4.02 plus "a" equals 12] is
- 6 The factors of 25 are
- 7 The prime factors of 25 are
- 8 A number whose prime factors are 2, 3, and 5 is
- 9 is a common multiple of all numbers.
- 10 Use the equation " $s - 0.12 = 7.25$ " to complete the corresponding bar model.

.....	
.....	

Third: Complete the **factor trees**, then find the **GCF** and **LCM** of 12 and 18.

12 and 18	
12 =	
18 =	
GCF =	 =
LCM =	 =



Fourth: Answer the following:

Mary has **25** blue roses and **15** red roses that she wants to distribute in bouquets so that each bouquet contains the same number of roses of each color.

What is the largest number of bouquets that Mary needs for each type of rose?

.....

.....

.....

Unit 3



Assessment on Concept 1

First: Choose the correct answer:

1 $5 \times 1,000 =$

a 50

b 500

c 5,000

d 50,000

2 $25 \times 80 =$

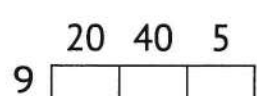
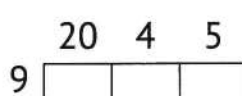
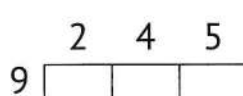
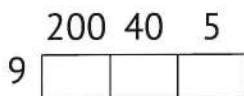
a $2 \times 10,000$

b $2 \times 1,000$

c 2×100

d 2×10

3 The area model that represents $(9 \times 200) + (9 \times 40) + (9 \times 5)$ is



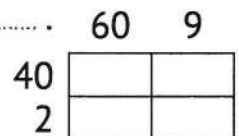
4 The multiplication problem that the opposite model represents is

a 46×29

b 49×62

c 42×69

d 26×94



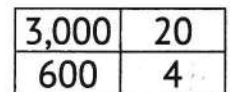
5 The multiplication problem that the opposite model represents is

a 12×32

b 12×302

c 102×302

d 102×32



Second: Complete the following:

1 $8 \times$ = 80,000

2 $1,000 \times$ = 7,000

3 $\times$ = $(10 \times 50) + (10 \times 7) + (2 \times 50) + (2 \times 7)$

4 $9 \times$ = $9 \times (600 + 20 + 3)$ 5 $7 \times 903 = (7 \times \text{.....}) + (7 \times \text{.....})$

Third: Solve the following problems using the mentioned strategy:

1 2×47 (Distributive Property)

2 14×23 (Area Model)

Fourth: Answer the following:

Omar owns 12 buses to transport tourists. Each bus can carry 25 passengers. How many passengers can Omar carry each day if each bus is full?



Assessment on Concept 2

First: Choose the correct answer:

1 The problem that represents the opposite area model is

- ☐ a $5,403 \times 67$ ☐ b $5,043 \times 67$
☐ c $5,430 \times 67$ ☐ d 543×67

	5,000	400	3
60			
7			

2 The problem that represents the opposite area model is

- ☐ a $3,502 \times 43$ ☐ b $3,052 \times 43$
☐ c $3,520 \times 43$ ☐ d 352×43

120,000	2,000	80
9,000	150	6

3 The model that represents $6,350 \times 73$ is

	6,000	300	50
70			
3			

a

	6,000	300	5
70			
3			

b

	6,000	30	5
70			
3			

c

	600	30	5
70			
3			

d

4 $3,006 \times 25 =$

- ☐ a 21,042 ☐ b 90,000 ☐ c 7,650 ☐ d 75,150

5 $2,300 \times 30 =$

- ☐ a 69,000 ☐ b 6,900 ☐ c 60,900 ☐ d 96,000

Second: Solve the following problems using the mentioned strategy:

1 $5,080 \times 23$

(Distributive Property)

.....

.....

.....

.....

2 $9,007 \times 64$

(Standard Algorithm)

.....

.....

.....

.....

3 $2,125 \times 74$

(Area Model)

.....

.....

.....

.....

Third: Answer the following:

- Huda bought **18** kg of bananas; the price of a kilogram is **15** pounds. She then bought **18** kilograms of mangoes; the price of a kilogram is **25** pounds. What is the total amount that Huda paid?

.....



Assessment on Unit 3

First: Choose the correct answer:

1 $3 \times 1,000$ 50×60

a $>$

b $=$

c $<$

d $\leq$

2 $5,062 \times 7$ $5,602 \times 7$

a $>$

b $=$

c $<$

d $\leq$

3 The model that represents $2,075 \times 26$ is

	2,000	70	5
20			
6			

a

	2,000	700	5
20			
6			

b

	2,000	700	50
20			
6			

c

	2,000	70	5
2			
60			

d

4 The model that represents $3,502 \times 31$ is

9,000	1,500	6
3,000	500	2

a

30,000	5,000	20
9,000	1,500	6

b

90,000	15,000	60
3,000	500	2

c

9,000	1,500	60
300	50	2

d

5 $(2 \times 50) + (2 \times 7) + (60 \times 50) + (60 \times 7) =$

a 26×57

b 62×57

c 62×75

d 26×75

6 $45 \times 123 =$

a $(5 \times 100) + (5 \times 20) + (5 \times 3) + (40 \times 100) + (40 \times 20) + (40 \times 3)$

b $(5 \times 100) + (5 \times 20) + (5 \times 3) + (4 \times 100) + (4 \times 20) + (4 \times 3)$

c $(50 \times 100) + (50 \times 20) + (50 \times 3) + (40 \times 100) + (40 \times 20) + (40 \times 3)$

d $(50 \times 100) + (50 \times 20) + (50 \times 3) + (4 \times 100) + (4 \times 20) + (4 \times 3)$

7 The model that represents $(90 \times 30) + (90 \times 4) + (3 \times 30) + (3 \times 4)$ is

	4	3
30		
90		

a

	90	3
30		
4		

b

	90	4
30		
3		

c

	90	30
4		
3		

d

8 The problem that represents the opposite area model is

a $4,275 \times 46$

b 495×46

c $4,095 \times 46$

d $4,905 \times 46$

	4,000	90	5
40			
6			

Units Revision

9 $\times 7 = 7,000$

a 10

b 100

c 1,000

d 10,000

10 $12 \times \dots = 12 \times (200 + 30 + 30)$

a 12×260

b $12 \times 2,330$

c 12×800

d $12 \times 2,033$

Second: Complete the following:

1 $9 \times 100,000 = \dots$

2 $5 \times \dots = 50,000$

3 $10,000 \times \dots = 70,000$

4 $42 \times \dots = 60 \times 70$

5 $7 \times 123 = (7 \times 100) + (7 \times \dots) + (7 \times \dots)$

6 $8 \times \dots = (8 \times 3,000) + (8 \times 500) + (8 \times 4)$

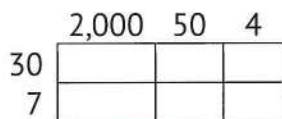
7 $(5 \times 30) + (5 \times 8) + (60 \times 30) + (60 \times 8) = \dots \times \dots$

8 $45 \times 22 = \dots$

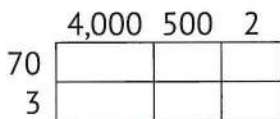
9 $5,020 \times 12 = \dots$

10 $232 \times 13 = \dots$

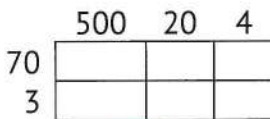
Third: Match each **model** to the **problem** representing it:



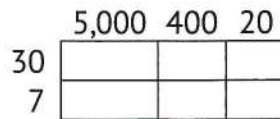
1



2



3



4

a

$4,502 \times 73$

b

$5,420 \times 37$

c

$2,054 \times 37$

d

524×73

Fourth: Solve each problem using the mentioned strategy:

1 $7,086 \times 54$

(Distributive Property)

2 $6,021 \times 24$

(Partial Products)

3 $6,008 \times 67$

(Area Model)

Fifth: Answer the following:

Mona is making tahini to use in dishes at her restaurant. Her recipe uses **140** grams of sesame seeds to make **120** milliliters of tahini. She makes the recipe **20** times each week. How many grams of sesame seeds does she use each week?

How many milliliters of tahini does she make each week?

How many liters of tahini does she make in **35** weeks?

Unit 4



Assessment on Concept 1

First: Choose the correct answer :

1 The quotient in the opposite model is

- a 1,226 b 24
c 3,504 d 146

	100	20	20	6
24	$\begin{array}{r} 3,504 \\ - 2,400 \\ \hline 1,104 \end{array}$	$\begin{array}{r} 1,104 \\ - 480 \\ \hline 624 \end{array}$	$\begin{array}{r} 624 \\ - 480 \\ \hline 144 \end{array}$	$\begin{array}{r} 144 \\ - 144 \\ \hline 0 \end{array}$

2 The remainder of division in the opposite model is

- a 15 b 6,154
c 410 d 4

	400	10
15	$\begin{array}{r} 6,154 \\ - 6,000 \\ \hline 154 \end{array}$	$\begin{array}{r} 154 \\ - 150 \\ \hline 4 \end{array}$

3 If $45 \times 24 = 1,080$, then $10,800 \div 24 =$

- a 45 b 24 c 450 d 240

4 If $26 \times 155 + 20 = 4,050$, then the remainder of $4,050 \div 26$ is

- a 20 b 26 c 155 d 4,050

Second: Divide using the strategy you prefer:

1 $45,240 \div 9 =$

2 $23,154 \div 6 =$

3 $3,096 \div 12 =$

4 $78,321 \div 26 =$

Third: Complete the following:

1 $45,000 \div 5 =$

2 $40,000 \div \dots = 8,000$

3 $\dots \div 34 = 10,000$

4 $\dots \div 12 = 3,000$

Fourth: Answer the following:

1 The profit of one of the shops is **7,280** pounds, and they will be distributed equally among **5** people. What is the share of each person?

.....

2 If **168** pupils are divided equally into groups of **12** pupils each, how many groups can we get?

.....



Assessment on Concept 2

First: Choose the correct answer:

- 1 The quotient in the following division model is

- a 5,248
b 12
c 4
d 437

$$\begin{array}{r} 0437 \\ 12 \overline{) 5,248} \\ \underline{- 48} \\ 44 \\ \underline{- 36} \\ 88 \\ \underline{- 84} \\ 4 \end{array}$$

- 2 The divisor in the following division model is

- a 4,528
b 25
c 3
d 181

$$\begin{array}{r} 0181 \\ 25 \overline{) 4,528} \\ \underline{- 25} \\ 202 \\ \underline{- 200} \\ 28 \\ \underline{- 25} \\ 3 \end{array}$$

- 3 The remainder in the following division model is

- a 954
b 32
c 26
d 29

$$\begin{array}{r} 029 \\ 32 \overline{) 954} \\ \underline{- 64} \\ 314 \\ \underline{- 288} \\ 26 \end{array}$$

- 4 From the following division model, $802 = \dots\dots\dots$

- a $22 \times 36 + 10$
b $22 + 36 \times 10$
c $22 \times 36 \times 10$
d $22 + 36 + 10$

$$\begin{array}{r} 036 \\ 22 \overline{) 802} \\ \underline{- 66} \\ 142 \\ \underline{- 132} \\ 10 \end{array}$$

- 5 $24,000 \div 600 = \dots\dots\dots$

- a 4 b 40 c 400 d 4,000

Second: Complete the following:

- 1 If $4 \times 60 = 240$, then $400 \times 600 = \dots\dots\dots$ 2 $450,000 \div \dots\dots\dots = 900$
3 If $24 \times 15 = 360$, then the remainder of $375 \div 15$ is

- 4 If $248 \div 12 = 20$ (R 8), then $12 \times 20 + \dots\dots\dots = 248$. 5 $60 \times 300 = \dots\dots\dots$

Third: Answer the following:

- There were **205** people at a concert. After the concert, **40** people left in cars, the rest of them wanted to go home by a microbus. If the load of each microbus is **11** people, how many minibuses are needed for everyone to get home?



Assessment on Unit 4

First: Choose the correct answer:

- 1 In $428 \div 2 = 214$, the dividend is

a 214 b 2 c 428 d 824

- 2 Which of the following can be used to check the result of the opposite model?

a $3,113 \times 25$ b 323×25
c $3,023 \times 25$ d 332×25

	300	10	10	3
	8,075	575	325	75
25	- 7,500	- 250	- 250	- 75
	575	325	75	0

- 3 Wafaa wanted to distribute **250** candy bars equally among **12** of her colleagues, so

a each person took 20 pieces and 10 pieces remained
b each person took 10 pieces, and 20 pieces remained
c each person took 21 pieces, and 2 pieces remained
d each person took 21 pieces, and there is nothing left

- 4 $30,000 \div 50 =$

a 6 b 60 c 600 d 6,000

- 5 $\div 600 = 40$

a 24,000 b 2,400 c 240 d 24

- 6 $40,000 \div$ $= 800$

a 5 b 50 c 500 d 5,000

- 7 The quotient in the following division model is

a 19,044
b 92
c 117
d 207

$$\begin{array}{r} 207 \\ 92 \overline{) 19,044} \\ \underline{- 184} \\ 644 \\ \underline{- 644} \\ 000 \end{array}$$

- 8 The divisor in the following division model is

a 6,700
b 65
c 103
d 5

$$\begin{array}{r} 65 \overline{) 6700} \\ \underline{- 200} \\ 470 \\ \underline{- 455} \\ 15 \end{array}$$

Units Revision

9 The remainder in the following division model is

a 6,090

b 42

c 145

d 0

	100	40	5
42	6,090	1,890	210
	- 4,200	- 1,680	- 210
	1,890	210	0

10 The dividend in the following division model is

a 8,935

b 24

c 372

d 7

	372
24	8,935
	- 72
	1,735
	- 1,68
	55
	- 48
	7

Second: Complete the following:

1 $80 \times 300 =$

2 $40,000 \div 500 =$

3 $45,060 \div 15 =$

4 $60,144 \div 12 =$

5 $72,368 \div 9 = 8,040$ and the remainder is

Third: Complete the following models:

1

45	14,130
-	
	
-	45
	
-	
	

2

			
25	5,850	850	100
	- 5,000	- 750	- 100
	850	100	0

3

43	0202
	8,686
-	
	86
-	
	0

Fourth: Compare using (<, =, or >):

1 $45,045 \div 5$ $36,036 \div 4$ 2 $45,000 \div 50$ $36,000 \div 400$

3 $1,375 \div 11$ $1,250 \div 10$ 4 $36,048 \div 12$ $3,648 \div 12$

5 $65,125 \div 25$ $65,150 \div 25$

Fifth: Answer the following:

1 Adel wants to distribute **4,530** pounds among **15** people equally. What is the share of each person?

.....

2 A school has **570** boys and **600** girls, and they are divided into **26** classes equally. How many students are there in each class?

.....

حمل الآن

مجاناً وحصرياً

المراجعة رقم (4)

اختبار شهر نوفمبر



Unit 2***Q1 Choose the correct answer:-***

- 1) In $56.2 + x = 98$ the variable is
a) 1.5 b) x c) 5.6 d) 4
- 2) $M + 3.5 = 8.92$, then m =
a) 12 b) 12.42 c) 5.42 d) 5
- 3) Which of the following is an expression ?
a) $12.5+7=k$ b) $7.25+2=9.36$ c) $16.7-4.1$ d) $x-4.7=2.5$
- 4) 12.5 increased by a number is 15 . equation is
a) $12.5+15=x$ b) $12.5+x=15$ c) $12.5-15=x$ d) $12.5-x=5$
- 5) $M + 5.6$ is
a) equation b) expression c) neither
- 6) The prime number has factors
a) 0 b) 1 c) 2 d) itself
- 7) 15 is an number
a) odd b) even c) prime
- 8) All of the following are prime numbers except
a) 5 b) 1 c) 2 d) 3
- 9) LCM of two different numbers is their GCF
a) < b) > c) =
- 10) 16 is a multiple of
a) 6 b) 4 c) 36 d) 32
- 11) 3,2,7 are prime factors of
a) 14 b) 21 c) 42 d) 44
- 12) The number 13 has factors
a) 0 b) 1 c) 2 d) 3
- 13) The next prime number after 7 is
a) 15 b) 13 c) 11 d) 10
- 14) The prime number where the sum of its factors is 8
a) 2 b) 3 c) 5 d) 7

15) All of the following are prime numbers except

a) 2

b) 28

c) 11

d) 23

Q2 Complete the following :-

- 1) $X + 15.32 = 18.20$ then $X =$
- 2) $Z - 14.19 = 11.42$ then $Z =$
- 3) The equation which represent the bar model is and value of $R =$
- 4) The common factor of all numbers is
- 5) The common multiple of all numbers is
- 6) The multiples of 4 between 21 and 35 are
- 7) GCF of 12 and 16 is
- 8) The smallest prime number is
- 9) The smallest odd prime number is
- 10) The only even prime number is
- 11) 18 hasfactors
- 12) The factors of 14 are
- 13) The prime factors of 14 are
- 14) The product of 2,2,2,3 is
- 15) GCF of any two different prime numbers is
- 16) GCF of any two same prime numbers is
- 17) The prime numbers between 20 and 30 are
- 18) LCM of 4 and 6 is
- 19) GCF of 30 and 40 is
- 20) The number of factors of 12 is
- 21) LCM of 9 and 12 is
- 22) GCF of 8 and 24 is
- 23) LCM of 6 and 10 is

	7.26
R	3.5



24) LCM of 7 and 11 is

25) The number of factors of 13 is

Q3 Answer the following :-

- 1) If the sum of two numbers is 65.324 and one of them is 4.21 find the other one . (write the equation) .
- 2) Write four multiples of 6.

Unit 3***Q1 Choose the correct answer:-***

1) $(3 \times 42) + (5 \times 42) = \dots \times 42$

a) 35

b) 53

c) 8

d) 6

2) $(40 \times 23) + (2 \times 23) = \dots \times 23$

a) 24

b) 42

c) 8

d) 6

3) $(11 \times 20) + (11 \times 3) + (11 \times 100) = \dots \times 11$

a) 123

b) 321

c) 210

d) 213

4) $15 \times 21 = \dots$

a) 135

b) 513

c) 315

d) 3015

5) 3 hundreds $\times$ 7 hundreds = hundreds

a) 210,000

b) 2,100

c) 21,000

d) 21

Q2 Complete the following :-

- 1) $456 \times 100 = \dots\dots\dots$
- 2) $\dots\dots \times 90 = 9000$
- 3) $130 \times 30 = \dots\dots\dots$
- 4) $15 \times 46 = (10 \times \dots\dots) + (10 \times 6) + (5 \times 40) + (\dots\dots \times \dots\dots)$
- 5) $304 \times 14 = \dots\dots\dots$
- 6) $15 \times 2103 = \dots\dots\dots$
- 7) Estimate the product $971 \times 23 = \dots\dots\dots$
- 8) The product 899×11 is closer to the product of $\dots\dots \times \dots\dots$
- 9) Complete the following area model

	700	60	3
90		5400	270
4		240	

- 10) from the opposite area model , $\begin{matrix} & & 2 & 0.7 \\ & & \times & \\ X & = & \dots\dots\dots & Y & = & \dots\dots\dots \end{matrix}$

6	2.1
0.8	y

Q3 Answer the following :-

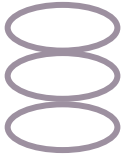
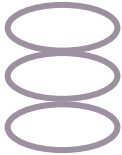
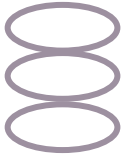
- 1) Yara walk every day 5 km if she walk 154 days , **how many kilometers did she walk ?**

Unit 4

Q1 Choose the correct answer:-

- 1) In the equation $27 \div 3 = 9$, the quotient is
 a) 27 b) 3 c) 9 d) zero
- 2) If $7,785 \div 31 = 251 \text{ R } 4$, then $31 \times 251 = \dots\dots\dots$
 a) 7,784 b) 7,783 c) 7,782 d) 7,781
- 3) $29 \div 4 = 7 \text{ R } \dots\dots\dots$
 a) 1 b) 3 c) 2 d) zero
- 4) $\dots\dots\dots \div 5 = 9$
 a) 45 b) 54 c) 95 d) 59
- 5) Dividend = [quotient $\times$ divisor] +
 a) Dividend b) quotient c) divisor d) remainder
- 6) $2,215 \div 15 = 147 \text{ R } \dots\dots\dots$
 a) 0 b) 5 c) 10 d) 15

Q2 Complete the following :-

- 1) If $125 \times 5 = 625$, then $626 \div 5 = 125 \text{ R } \dots\dots\dots$
- 2) [Quotient $\times$ divisor] + remainder =
- 3) $\dots\dots\dots \div 5 = 8$
- 4) $30 \div 4 = 7 \text{ R } \dots\dots\dots$
- 5) $0 \div 40.54 = \dots\dots\dots$
- 6) $6060 \div 60 = \dots\dots\dots$
- 7) $4800 \div 60 = \dots\dots\dots$
- 8) $0 \div 632$  0×632
- 9) $25 \div 2$  25×2
- 10) divisor  remainder

Q3 Answer the following :-

- 3) Yara baked 15 cup cakes 5 of them fell on the floor , distribute the remainder equally between Maria and Seif .
- 4) while dividing a number by 3. Ahmed got a quotient of 7 and a remainder of 2. What is the number?
- 5) How many weeks are there in 56 days?
- 6) Nada distributed 36 pieces of candy to 9 children equally , how many pieces for each one ?
- 7) Seif earns 6 L.E. in how many days he will earn 54 L.E. ?
- 8) Find : $6,203 \div 11 = \dots\dots\dots$ "using the area model"

Answers

Unit 2

Q1 Choose the correct answer:-

- 1) In $56.2 + x = 98$ the variable is
 a) 1.5 **b) x** c) 5.6 d) 4
- 2) $M + 3.5 = 8.92$, then $m =$
 a) 12 b) 12.42 **c) 5.42** d) 5
- 3) Which of the following is an expression ?
 a) $12.5 + 7 = k$ b) $7.25 + 2 = 9.36$ **c) $16.7 - 4.1$** d) $x - 4.7 = 2.5$
- 4) 12.5 increased by a number is 15 . equation is
 a) $12.5 + 15 = x$ **b) $12.5 + x = 15$** c) $12.5 - 15 = x$ d) $12.5 - x = 5$
- 5) $M + 5.6$ is
 a) equation **b) expression** c) neither
- 6) The prime number has factors
 a) 0 b) 1 **c) 2** d) itself
- 7) 15 is an number
a) odd b) even c) prime
- 8) All of the following are prime numbers except
 a) 5 **b) 1** c) 2 d) 3
- 9) LCM of two different numbers is their GCF
 a) < **b) >** c) =
- 10) 16 is a multiple of
 a) 6 **b) 4** c) 36 d) 32
- 11) 3, 2, 7 are prime factors of
 a) 14 b) 21 **c) 42** d) 44
- 12) The number 13 has factors
 a) 0 b) 1 **c) 2** d) 3
- 13) The next prime number after 7 is
 a) 15 b) 13 **c) 11** d) 10
- 14) The prime number where the sum of its factors is 8
 a) 2 b) 3 c) 5 **d) 7**

15) All of the following are prime numbers except

a) 2

b) 28

c) 11

d) 23

Q2 Complete the following :-

1) $X + 15.32 = 18.20$ then $X = 2.88$

2) $Z - 14.19 = 11.42$ then $Z = 25.61$

3) The equation which represent the bar model
is $R + 3.5 = 8.26$ and value of $R = 3.76$

	7.26
R	3.5

4) The common factor of all numbers is 1

5) The common multiple of all numbers is 0

6) The multiples of 4 between 21 and 35 are 24, 28, 32

7) GCF of 12 and 16 is 4

8) The smallest prime number is 2

9) The smallest odd prime number is 3

10) The only even prime number is 2

11) 18 has 6 factors

12) The factors of 14 are 1, 2, 7, 14

13) The prime factors of 14 are 2, 7

14) The product of 2, 2, 2, 3 is 24

15) GCF of any two different prime numbers is one

16) GCF of any two same prime numbers is itself

17) The prime numbers between 20 and 30 are 23, 29

18) LCM of 4 and 6 is 12

19) GCF of 30 and 40 is 10

20) The number of factors of 12 is 6

21) LCM of 9 and 12 is 36

22) GCF of 8 and 24 is 8

23) LCM of 6 and 10 is 30



24) LCM of 7 and 11 is 77

25) The number of factors of 13 is 2

Q3 Answer the following :-

1) If the sum of two numbers is 65.324 and one of them is 4.21 find the other one . (write the equation) .

Equation is : $X + 4.21 = 65.324$

$$X = 65.324 - 4.21$$

$$X = 61.114$$

9) Write five multiples of 6.

0 , 6 , 12 , 18 , 24

Unit 3***Q1 Choose the correct answer:-***

1) $(3 \times 42) + (5 \times 42) = \dots \times 42$

a) 35

b) 53

c) 8

d) 6

2) $(40 \times 23) + (2 \times 23) = \dots \times 23$

a) 24

b) 42

c) 8

d) 6

3) $(11 \times 20) + (11 \times 3) + (11 \times 100) = \dots \times 11$

a) 123

b) 321

c) 210

d) 213

4) $15 \times 21 = \dots$

a) 135

b) 513

c) 315

d) 3015

5) 3 hundreds $\times$ 7 hundreds = hundreds

a) 210,000

b) 2,100

c) 21,000

d) 21

Q2 Complete the following :-

- 1) $456 \times 100 = 45,600$
- 2) $100 \times 90 = 9000$
- 3) $130 \times 30 = 3,900$
- 4) $15 \times 46 = (10 \times 40) + (10 \times 6) + (5 \times 40) + (5 \times 6)$
- 5) $304 \times 14 = 4,256$
- 6) $15 \times 2103 = 31,545$
- 7) Estimate the product $971 \times 23 = 23,000$
- 8) The product 899×11 is closer to the product of 900×10
- 9) Complete the following area model

	700	60	3
90	63,000	5400	270
4	2,800	240	12

- 10) from the opposite area model , $\times$
 $X = 12$ $Y = 0.28$ 0.4

2	0.7
6	2.1
0.8	y

Q3 Answer the following :-

- 1) Yara walk every day 5 km if she walk 154 days , **how many kilometers did she walk ?**
 Number of kilometers = $5 \times 154 = 770$ km

Unit 4

Q1 Choose the correct answer:-

- 1) In the equation $27 \div 3 = 9$, the quotient is
 a) 27 b) 3 **c) 9** d) zero
- 2) If $7,785 \div 31 = 251 \text{ R } 4$, then $31 \times 251 = \dots\dots\dots$
 a) 7,784 b) 7,783 c) 7,782 **d) 7,781**
- 3) $29 \div 4 = 7 \text{ R } \dots\dots\dots$
a) 1 b) 3 c) 2 d) zero
- 4) $\dots\dots\dots \div 5 = 9$
a) 45 b) 54 c) 95 d) 59
- 5) Dividend = [quotient $\times$ divisor] +
 a) Dividend b) quotient c) divisor **d) remainder**
- 6) $2,215 \div 15 = 147 \text{ R } \dots\dots\dots$
 a) 0 b) 5 **c) 10** d) 15

Q2 Complete the following :-

- 1) If $125 \times 5 = 625$, then $626 \div 5 = 125 \text{ R } 1$
- 2) [Quotient $\times$ divisor] + remainder = Dividend
- 3) $40 \div 5 = 8$
- 4) $30 \div 4 = 7 \text{ R } 2$
- 5) $0 \div 40.54 = 0$
- 6) $6060 \div 60 = 101$
- 7) $4800 \div 60 = 80$
- 8) $0 \div 632$ $=$ 0×632
- 9) $25 \div 2$ $<$ 25×2
- 10) divisor $>$ remainder

Q3 Answer the following :-

- 1) Yara baked 15 cup cakes 5 of them fell on the floor , distribute the remainder equally between Maria and Seif .

$$\text{No. of fell cups} = 15 - 5 = 10 \text{ cups}$$

$$\text{No. of cups for each one} = 10 \div 2 = 5 \text{ cups}$$

- 2) while dividing a number by 3. Ahmed got a quotient of 7 and a remainder of 2. What is the number?

$$\text{Dividend} = \text{divisor} \times \text{quotient} + \text{remainder}$$

$$\text{So no.} = 3 \times 7 + 2 = 23$$

- 3) How many weeks are there in 56 days?

$$\text{No of weeks} = 56 \div 7 = 8 \text{ weeks}$$

- 4) Nada distributed 36 pieces of candy to 9 children equally , how many pieces for each one ?

$$\text{No. for each} = 36 \div 9 = 4 \text{ pieces}$$

- 5) Seif earns 6 L.E. in how many days he will earn 54 L.E. ?

$$\text{No. of pounds he will earn} = 54 \div 6 = 9 \text{ pounds}$$

6) Find : $6,203 \div 11 = \dots\dots\dots$ "using the area model"

Quotient = $500 + 60 + 3 = 563$ R 10

500	60	3
6203	703	43
-5500	660	33
703	43	10

Model 1**1) Choose the correct answer :-**a) Since $9 \times 4 = 36$, then $0.09 \times 0.4 =$ _____

A. 36

B. 3.6

C. 0.36

D. 0.036

b) $2,215 \div 15 = 147$ R _____

A. 15

B. 10

C. 5

D. 0

c) $5,508 =$ _____A. 54×342 B. 36×153 C. 61×281 D. 32×372 d) $2 \times$ _____ $= 2,000$

A. 10

B. 100

C. 1,000

D. 10,000

e) 876×72 is near close to _____

A. 56,000

B. 5,600

C. 63,000

D. 72,000

f) 3×5 Hundredths $=$ _____

A. 1.5

B. 0.15

C. 15

D. 0.015

g) 0.15×100 1.5×0.01 A. $>$ B. $<$ C. $=$ h) What is the Ones digit in the product of 36×123 ?

A. 8

B. 6

C. 3

D. 2

i) Quotient $\times$ divisor $+ \text{remainder} =$ _____

A. divisor.

B. quotient.

C. remainder.

D. dividend.



2) Answer the following :-

- a) Find the product of $1.414 \times 0.1 =$ _____
- b) Find the missing number $15 \times 46 = [10 \times \text{_____}] + [10 \times 6] + [5 \times 40] + [\text{_____} \times 6]$
- c) Find the product then round it to the nearest Tenth , 2.41×0.2
- d) Complete $34 \times \text{_____} = 3,400$
- e) Anas saved 125 pounds, Mazen saved 12 times as Anas. How much money Mazen saved?
- f) Divide using any method you prefer $1,919 \div 19 =$ _____
- g) How many weeks are there in 42 days?

Model 2**1) Choose the correct answer :-**

b) If $7,785 \div 31 = 251 \text{ R } 4$, then $31 \times 251 =$ _____

A. 7,784

B. 7,782

C. 7,781

D. 7,783

c) $85 \times 69 = [80 \times 60] + [80 \times 9] + [5 \times 9] + [\text{_____}]$

A. 5×6 B. 5×60 C. 80×6 D. 50×60

d) $320 \times 15 =$ _____ Hundreds.

A. 4,800

B. 480

C. 48

D. 4.8

a) The decimal point in the product of 3.9×4.23 is after _____ place(s).

A. 1

B. 2

C. 3

D. 4

b) In the equation $36 \div 4 = 9$, the quotient is _____

A. 36

B. 4

C. 9

D. zero

d) If $735 \div 21 = 35$, then $35 \times 21 =$ _____

A. 35

B. 735

C. 1

D. 21

b) $1,515 \div 15 =$ _____

A. 11

B. 101

C. 1

D. 1.1

c) $253 \times \text{_____} = [70+200] + [70 \times 50] + [70 \times 3] + [4 \times 200] + [4 \times 50] + [4 \times 3]$

A. 47

B. 74

C. 53

D. 235

e) $0.002 \times 1,000$ $20,000 \times 0.001$

A. >

B. <

C. =

2) Answer the following :-a) If $326 \times 7 = 2,282$, then $0.326 \times 7 =$ _____b) Find the missing number $15 \times$ _____ $= 15,000$ c) Find the quotient of $2,002 \div 22 =$ _____d) If $7,785 \div 31 = 251 \text{ R } 4$, then the dividend is _____e) Solve the following problem using any method you prefer 201×56

f) If 18 plums are divided equally into 3 bags, then how many plums will be in each bag?

g) Complete the following area model :-

	700	60	3
90		5400	270
4		240	

Answers

Model 1

1) Choose the correct answer :-a) Since $9 \times 4 = 36$, then $0.09 \times 0.4 =$ _____

A. 36

B. 3.6

C. 0.36

D. 0.036

b) $2,215 \div 15 = 147$ R _____

A. 15

B. 10

C. 5

D. 0

c) $5,508 =$ _____A. 54×342 B. 36×153 C. 61×281 D. 32×372 d) $2 \times$ _____ $= 2,000$

A. 10

B. 100

C. 1,000

D. 10,000

e) 876×72 is near close to _____

A. 56,000

B. 5,600

C. 63,000

D. 72,000

f) 3×5 Hundredths $=$ _____

A. 1.5

B. 0.15

C. 15

D. 0.015

g) 0.15×100 1.5×0.01

A. >

B. <

C. =

h) What is the Ones digit in the product of 36×123 ?

A. 8

B. 6

C. 3

D. 2

i) Quotient $\times$ divisor $+ \text{remainder} =$ _____

A. divisor.

B. quotient.

C. remainder.

D. dividend.



2) Answer the following :-

a) Find the product of $1.414 \times 0.1 = 0.1414$

b) Find the missing number $15 \times 46 = [10 \times 40] + [10 \times 6] + [5 \times 40] + [5 \times 6]$

c) Find the product then round it to the nearest Tenth , 2.41×0.2

$$0.482 \approx 0.5$$

d) Complete $34 \times 100 = 3,400$

e) Anas saved 125 pounds, Mazen saved 12 times as Anas. How much money Mazen saved?

$$\text{Anas saved } 125 \times 12 = 1500 \text{ pounds}$$

f) Divide using any method you prefer $1,919 \div 19 = 101$

g) How many weeks are there in 42 days?

$$\text{No of weeks} = 42 \div 7 = 8 \text{ weeks}$$

Model 2

1) Choose the correct answer :-

b) If $7,785 \div 31 = 251 \text{ R } 4$, then $31 \times 251 =$ _____

A. 7,784

B. 7,782

C. 7,781

D. 7,783

c) $85 \times 69 = [80 \times 60] + [80 \times 9] + [5 \times 9] + [\text{_____}]$

A. 5×6 B. 5×60 C. 80×6 D. 50×60

d) $320 \times 15 =$ _____ Hundreds.

A. 4,800

B. 480

C. 48

D. 4.8

a) The decimal point in the product of 3.9×4.23 is after _____ place(s).

A. 1

B. 2

C. 3

D. 4

b) In the equation $36 \div 4 = 9$, the quotient is _____

A. 36

B. 4

C. 9

D. zero

d) If $735 \div 21 = 35$, then $35 \times 21 =$ _____

A. 35

B. 735

C. 1

D. 21

b) $1,515 \div 15 =$ _____

A. 11

B. 101

C. 1

D. 1.1

c) $253 \times \text{_____} = [70+200] + [70 \times 50] + [70 \times 3] + [4 \times 200] + [4 \times 50] + [4 \times 3]$

A. 47

B. 74

C. 53

D. 235

e) $0.002 \times 1,000$ $20,000 \times 0.001$

A. >

B. <

C. =

2) Answer the following :-

a) If $326 \times 7 = 2,282$, then $0.326 \times 7 = 2.282$

b) Find the missing number $15 \times 1000 = 15,000$

c) Find the quotient of $2,002 \div 22 = 91$

d) If $7,785 \div 31 = 251 \text{ R } 4$, then the dividend is 7,785

e) Solve the following problem using any method you prefer $201 \times 56 = 11,256$

f) If 18 plums are divided equally into 3 bags, then how many plums will be in each bag?

No of plums = $18 \div 3 = 6$ plums.

g) Complete the following area model :-

	700	60	3
90	63,000	5400	270
4	2,800	240	12

حمل الآن

مجاناً وحصرياً

المراجعة رقم (5)

اختبار شهر نوفمبر



Q1: Choose the correct answer

- 1 $m + 3.2 = 10.5$ is called
- ☐ a variable ☐ b equation ☐ c expression ☐ d other
- 2 The only even prime number is
- ☐ a 0 ☐ b 1 ☐ c 2 ☐ d 4
- 3 The LCM of 5 and 6 is
- ☐ a 6 ☐ b 5 ☐ c 1 ☐ d 30
- 4 The value of the variable x in the equation $9.5 - x = 4.3$ is
- ☐ a 13.8 ☐ b 2.5 ☐ c 5.8 ☐ d 5.2
- 5 The GCF of 3 and 7 is
- ☐ a 21 ☐ b 1 ☐ c 3 ☐ d 7
- 6 The composite number in the following numbers is
- ☐ a 7 ☐ b 13 ☐ c 29 ☐ d 21
- 7 The factors of 18 are
- ☐ a 2, 3, 3 ☐ b 18, 9, 2 ☐ c 1, 2, 3, 6, 9, 18 ☐ d 6
- 8 1 and 7 are the common factor of
- ☐ a 2 and 7 ☐ b 2 and 14 ☐ c 7 and 12 ☐ d 7 and 14
- 9 The prime factors of 18 are
- ☐ a 2, 3, 3 ☐ b 18, 9, 2 ☐ c 1, 2, 3, 6, 9, 18 ☐ d 6
- 10 If $k + 7.5 = 12.5$, Then k is called
- ☐ a variable ☐ b equation
☐ c expression ☐ d other



11 If $8.24 - y = 3.12$, then $y = \dots\dots\dots$

(a) 5.12

(b) 12.15

(c) 11.36

(d) 14.12

12 For the equation: $7.325 - x = 4.127$, which of the following part-to-whole bar model is suitable ?

(a)

x	
7.325	4.127

(b)

4.127	
x	7.325

(c)

7.325	
x	4.127

(d)

x	
4.127	3.198

13 2, 3, and 7 are prime factors of

(a) 7

(b) 6

(c) 42

(d) 63

14 is a multiple of 9

(a) 19

(b) 54

(c) 29

(d) 39

15 is a number that has more than one set of factor pairs.

(a) Prime

(b) Factor

(c) Multiple

(d) Composite

16 2, 5 and 7 are prime factors of

(a) 14

(b) 35

(c) 10

(d) 70

17 The number is one of multiple of 5

(a) 3,210

(b) 5,551

(c) 10,103

(d) 10,004

18 The LCM of 6 and 10 is

(a) 60

(b) 15

(c) 30

(d) 45

19 The smallest prime number formed from 2-digit is

(a) 3

(b) 2

(c) 11

(d) 97

20 The common multiple of any number is

(a) 0

(b) 1

(c) 2

(d) 3



Q2: Answer The Following

1 Two numbers, the prime factors of the first are (2, 2, 3) and the prime factors of the second are (2, 3, 3), then the GCF of the two numbers is

1 Find GCF and LCM by factorization of 12 and 18:

12 =

18 =

GCF =

LCM =

--	--

--	--

2 Murad has 73.25 LE. He spent 10. Find the remainder with him

.....

3 Find value of x in the equation: $x - 6.82 = 1.23$

.....

.....

4 The weight of Farida is 45.235 kg, and the weight of Mazen is 52.012 kg, Find their weight together.

.....

5 Yassmin bought a sandwich for 36.85 L.E and 250 mL of juice for 7.5 L.E. What is the cost of the meal?

Equation:

Solution:

6 The LCM of any two prime numbers is

7 The number whose all prime factors are 2, 3 and 5 is

8 Any number is a multiple of



9 Find GCF and LCM by factorization of 42 and 14:

42 =

14 =

GCF =

LCM =

--	--

10 The multiples of 5 are the numbers whose ones digit is and

11 The common factor of all numbers is

12 The prime number has two factors which are and

13 1 is not a prime number because



Q1: Choose the correct answer

1 $69 \times \dots\dots\dots = (69 \times 5) + (69 \times 3)$

(a) 5

(b) 3

(c) 8

(d) 2

2 Estimate the product of 971×23 is

(a) 20,000

(b) 8,000

(c) 2,000

(d) 20

3 5 Hundreds $\times$ 6 Hundreds = hundreds

(a) 30

(b) 300

(c) 3,000

(d) 30,000

4 $220 \times 15 = \dots\dots\dots$

(a) 33

(b) 33 thousands

(c) 33 hundreds

(d) 33 tens

5 $4 \times 354 = [4 \times 300] + [4 \times 50] + [\dots\dots\dots]$

(a) 4×4

(b) 4×40

(c) 4×400

(d) 40×40

6 $12 \times 200 = \dots\dots\dots$

(a) 24 tens

(b) 24 hundreds

(c) 24 thousands

(d) 24

7 Mona bought 31 boxes of juice for 25 L.E. each She paid =

(a) 757

(b) 775

(c) 577

(d) 7,750

8 The product of 492×58 is closer to

(a) 25,000

(b) 30,000

(c) 35,000

(d) 20,000

9 What is the ones digit of the product of 953×23 will be without solving the whole problem?

(a) 0

(b) 9

(c) 2

(d) 3



10 49×523 is closer to

- (a) 2,500 (b) 25,000 (c) 20,000 (d) 2,000

11 $(6 \times 85) + (2 \times 85) = \dots \times 85$

- (a) 24 (b) 42 (c) 8 (d) 6

12 15×16 ☐ 20×13

- (a) > (b) = (c) < (d) otherwise

13 $[100 + 100 + 70 + 4] \times [6 + 80] = \dots$

- (a) 174×86 (b) 174×68 (c) 274×86 (d) 274×68

14 $[80 \times 10] + [80 \times 4] + [3 \times 10] + [3 \times 4] = \dots$

- (a) 83×14 (b) 38×14 (c) 83×41 (d) 38×41

15 The closest estimation for the multiplication operation: $3,324 \times 12$

- (a) 60,000 (b) 20,000 (c) 30,000 (d) 90,000

16 $6,281 \times 23 = \dots$

- (a) 142,463 (b) 143,463 (c) 144,463 (d) 144,436

17 3 Hundreds $\times$ 7 Hundreds = hundreds

- (a) 210,000 (b) 2,100 (c) 21,000 (d) 21

18 The missing number in the product is

- (a) 2,882 (b) 10,122 (c) 2,892 (d) 2,880

19 What is the unknown value in the area model of 21×53 ?

- (a) 600 (b) 6 (c) 6,000 (d) 60

		50	3
20	1,000	?	
1	50	3	

$$\begin{array}{r} 723 \\ \times 14 \\ \hline \dots\dots\dots \\ + 7,230 \\ \hline 10,122 \end{array}$$



Q2: Answer The Following

1 Find the (GCF) and (LCM) of the two numbers 10 and 15

--	--

2 Using the distributive property, find the product: 42×43 .

3 The product of 689×21 is closer to the product of $\times$

4 $\times 1,000 = 850,000$

5 $24 \times 15 =$ tens

6 Use area model to find the product of 26×43 .

7 Yousef bought 100 pens of the same type. The price of each pen is 12 pounds.
How much money Yousef paid ?

8 The Ones digit of the product of $5,747 \times 79$ will be

9 Sara bought 54 books for 100 L.E each She paid =

10 The product of 892×42 is closer to the product of $\times$

11 $7,636 \times 8 =$



- 12 Hossam drives his car for a distance of 60 kilometers every day.
How many kilometers will he drive his car in 187 days?

- 13 Using your preferred strategy, find the product: 306×19

- 14 Ahmad trains every 3 days, while Osama trains every 4 days. Both friends are training together today. How many days will pass until they train together for the second time? Do you need to use LCM or GCF?

- 15 Using the rectangle area model, find the product of: 42×326



- 16 Using the distributive property, find the product of: 92×83

- 17 A cinema has 37 screens. Each screen has 472 seats.
How many seats are there in the cinema?

- 18 $56 \times \dots\dots\dots = (7 \times 6) + (7 \times 50) + (80 \times 6) + (80 \times 50)$



- 19** Marwa saved 125 pounds ,Ahmed saved 10 times as Marwa
 ,Mariam saved 6 times as Marwa, How much money they saved ?

- 20** Farida bought 42 books for 50 L.E each, She paid

- 21** $70 \times 80 = \dots\dots\dots$

- 22** Mona uses 1,133 grams of sugar daily.

How many grams of sugar does she use in 30 weeks?

- 23** In a shopping visit, Omran and his friends bought 18 T-shirts, each costing 265 pounds, and 13 pants, each costing 370 pounds. What is the total shopping cost?



Q1: Choose the correct answer

1 The divisor in the equation $63 \div 9 = 7$ is

- (a) 63 (b) 9 (c) 7 (d) zero

2 $758 \div \dots\dots\dots = 758$

- (a) 0 (b) 1 (c) 758 (d) otherwise

3 A man bought 16 toys for 672 L.E, then the price of each toy is L.E

- (a) 40 (b) 41 (c) 42 (d) 43

4 In the equation $24 \div 4 = 6$, the remainder is

- (a) 1 (b) 2 (c) 0 (d) 4

5 $55,055 \div 55 = \dots\dots\dots$

- (a) 11 (b) 101 (c) 1,001 (d) 110

6 If $4,150 \div 29 = 143 \text{ R } \dots\dots\dots$

- (a) 4 (b) 2 (c) 1 (d) 3

7 If $45 \times 37 = 1,665$. Then $1,668 \div 45 = \dots\dots\dots$

- (a) 37 R 1 (b) 37 R 3 (c) 45 R 3 (d) 37 R 8

8 $3,003 \div 33 = \dots\dots\dots$

- (a) 19 (b) 91 (c) 109 (d) 901

9 Using the opposite area model to divide $1,530 \div X$, then the value of X is

- (a) 1,530 (b) 102
(c) 30 (d) 15

	100	2
x	1,530	30
	1,500	30
	30	00



10 If $840 \div 24 = 35$, then $35 \times 24 + 5 = \dots\dots\dots$

(a) 840

(b) 850

(c) 845

(d) 485

11 $45 \div 6 = 7 \text{ R } 3$, the dividend is $\dots\dots\dots$

(a) 6

(b) 45

(c) 7

(d) 3

12 If $7,785 \div 31 = 251 \text{ R } 4$, then $31 \times 251 + 4 = \dots\dots\dots$

(a) 7,786

(b) 7,785

(c) 7,784

(d) 7,783

13 $\text{Zero} \div 846 = \dots\dots\dots$

(a) 0

(b) 1

(c) 2

(d) 846

14 $2,323 \div 23 = \dots\dots\dots$

(a) 111

(b) 110

(c) 101

(d) 11

15 $1,500 \div 50 = \dots\dots\dots$

(a) 3

(b) 30

(c) 300

(d) 3,000

16 The quotient of: $935 \div 17$ is $\dots\dots\dots$

(a) 99

(b) 35

(c) 55

(d) 132

17 Which of the following statements is correct?

(a) $25 \times 111 = 2,775$

(b) $111 \div 25 = 2,775$

(c) $40 \times 20 = 400$

(d) $30 \times 30 = 600$



Q2: Answer The Following

- 1 Estimate the result and then find the actual result using the rectangle area model for the following problem: $9,375 \div 75$.

- 2 Ahmed says that 22×242 will give the same result as 44×121 . Do you agree with him? Check your answer.

- 3 If $248 \div 12 = 20 \text{ R } 8$, then $12 \times 20 + \dots = 248$

- 4 The quotient in opposite area model is

- 5 If $325 \div 25 = 13$, then 25 is called

- 6 Use an area model to find the quotient of:
 $5,185 \div 34 = \dots$

	60	4
$\div 35$	$\begin{array}{r} 2,240 \\ - 2,240 \\ \hline 140 \end{array}$	$\begin{array}{r} 140 \\ - 140 \\ \hline 000 \end{array}$

- 7 Distribute 5,400 L.E between 9 persons equally.
How much every one take ?

- 8 Mr. Ahmed Nassr wants to distribute 280 prizes to 7 classes equally.
How many prizes per each class ?



- 9 If 18 plums are packed each 3 in a bag,
How many bags will be there?
-

- 10 The number that if divided by 23 has a quotient of 168 is

- 11 Quotient $\times$ divisor + remainder =

- 12 $\div$ 28 = 632

- 13 Find the quotient of $144 \div 12$
-

- 14 A father wants to distribute 420 L.E. among his four children, He gave the oldest one half of total. How much money did each of other child get?
-

- 15 If the price of 13 books is 390 pounds, then the price of each book equals

- 16 A charity wants to distribute 8,320 pounds
into 64 persons equally. What's the share of each person ?
-

- 17 If $6,996 \div 53 = 132$, then $53 \times 132 = \dots\dots\dots$

- 18 If the quotient of $954 \div 15$ is 63 and remainder 9, then what is the result of: 15×63 ?
-

- 19 There are 4,875 pieces of chocolate, and they are packed into boxes
containing 24 pieces each. The seller wants to pack as many full boxes as possible.
How many boxes can he pack? And how many pieces will he have left?
-
-



Q1: Choose the correct answer

- 1 $m + 3.2 = 10.5$ is called
- ☐ a variable ☒ b equation ☐ c expression ☐ d other
- 2 The only even prime number is
- ☐ a 0 ☐ b 1 ☒ c 2 ☐ d 4
- 3 The LCM of 5 and 6 is
- ☐ a 6 ☐ b 5 ☐ c 1 ☒ d 30
- 4 The value of the variable x in the equation $9.5 - x = 4.3$ is
- ☐ a 13.8 ☐ b 2.5 ☐ c 5.8 ☒ d 5.2
- 5 The GCF of 3 and 7 is
- ☐ a 21 ☒ b 1 ☐ c 3 ☐ d 7
- 6 The composite number in the following numbers is
- ☐ a 7 ☐ b 13 ☐ c 29 ☒ d 21
- 7 The factors of 18 are
- ☐ a 2, 3, 3 ☐ b 18, 9, 2 ☒ c 1, 2, 3, 6, 9, 18 ☐ d 6
- 8 1 and 7 are the common factor of
- ☐ a 2 and 7 ☐ b 2 and 14 ☐ c 7 and 12 ☒ d 7 and 14
- 9 The prime factors of 18 are
- ☒ a 2, 3, 3 ☐ b 18, 9, 2 ☐ c 1, 2, 3, 6, 9, 18 ☐ d 6
- 10 If $k + 7.5 = 12.5$, Then k is called
- ☒ a variable ☐ b equation ☐ c expression ☐ d other



11 If $8.24 - y = 3.12$, then $y = \dots\dots\dots$

☒ a 5.12

☐ b 12.15

☐ c 11.36

☐ d 14.12

12 For the equation: $7.325 - x = 4.127$, which of the following part-to-whole bar modele is suitable ?

☐ a

x	
7.325	4.127

☐ b

4.127	
x	7.325

☒ c

7.325	
x	4.127

☐ d

x	
4.127	3.198

13 2, 3, and 7 are prime factors of

☐ a 7

☐ b 6

☒ c 42

☐ d 63

14 is a multiple of 9

☐ a 19

☒ b 54

☐ c 29

☐ d 39

15 is a number that has more than one set of factor pairs.

☐ a Prime

☐ b Factor

☐ c Multiple

☒ d Composite

16 2, 5 and 7 are prime factors of

☐ a 14

☐ b 35

☐ c 10

☒ d 70

17 The number is one of multiple of 5

☒ a 3,210

☐ b 5,551

☐ c 10,103

☐ d 10,004

18 The LCM of 6 and 10 is

☐ a 60

☐ b 15

☒ c 30

☐ d 45

19 The smallest prime number formed from 2-digit is

☐ a 3

☐ b 2

☒ c 11

☐ d 97

20 The common multiple of any number is

☒ a 0

☐ b 1

☐ c 2

☐ d 3



Q2: Answer The Following

1 Two numbers, the prime factors of the first are (2, 2, 3) and the prime factors of the second are (2, 3, 3), then the GCF of the two numbers is⁶

1 Find GCF and LCM by factorization of 12 and 18:

12 =

18 =

GCF =⁶

LCM =³⁶

--	--

--	--

2 Murad has 73.25 LE. He spent 10. Find the remainder with him

.....^{63.25 L.E}

3 Find value of x in the equation: $x - 6.82 = 1.23$

.....^{x = 8.05}

4 The weight of Farida is 45.235 kg, and the weight of Mazen is 52.012 kg, Find their weight together.

.....^{97.247 kg}

5 Yassmin bought a sandwich for 36.85 L.E and 250 mL of juice for 7.5 L.E. What is the cost of the meal?

Equation:^{x = 36.85 + 7.5}

Solution:^{44.35}

6 The LCM of any two prime numbers is^{their product}

7 The number whose all prime factors are 2, 3 and 5 is³⁰

8 Any number is a multiple of^{itself}



9 Find GCF and LCM by factorization of 42 and 14:

42 =

14 =

GCF =14.....

LCM =42.....

10 The multiples of 5 are the numbers whose ones digit is0..... and5.....

11 The common factor of all numbers is1.....

12 The prime number has two factors which are1..... anditself.....

13 1 is not a prime number because has only 1 factor



Q1: Choose the correct answer

1 $69 \times \dots = (69 \times 5) + (69 \times 3)$

☐ a 5☐ b 3☒ c 8☐ d 2

2 Estimate the product of 971×23 is

☒ a 20,000☐ b 8,000☐ c 2,000☐ d 20

3 5 Hundreds $\times$ 6 Hundreds = hundreds

☒ a 30☐ b 300☐ c 3,000☐ d 30,000

4 $220 \times 15 = \dots$

☐ a 33☐ b 33 thousands☒ c 33 hundreds☐ d 33 tens

5 $4 \times 354 = [4 \times 300] + [4 \times 50] + [\dots]$

☒ a 4×4 ☐ b 4×40 ☐ c 4×400 ☐ d 40×40

6 $12 \times 200 = \dots$

☐ a 24 tens☒ b 24 hundreds☐ c 24 thousands☐ d 24

7 Mona bought 31 boxes of juice for 25 L.E. each She paid =

☐ a 757☒ b 775☐ c 577☐ d 7,750

8 The product of 492×58 is closer to

☐ a 25,000☒ b 30,000☐ c 35,000☐ d 20,000

9 What is the ones digit of the product of 953×23 will be without solving the whole problem?

☐ a 0☒ b 9☐ c 2☐ d 3

10 49×523 is closer to

(a) 2,500

(b) 25,000

(c) 20,000

(d) 2,000

11 $(6 \times 85) + (2 \times 85) = \dots \times 85$

(a) 24

(b) 42

(c) 8

(d) 6

12 15×16 ○ 20×13

(a) >

(b) =

(c) <

(d) otherwise

13 $[100 + 100 + 70 + 4] \times [6 + 80] = \dots$

(a) 174×86

(b) 174×68

(c) 274×86

(d) 274×68

14 $[80 \times 10] + [80 \times 4] + [3 \times 10] + [3 \times 4] = \dots$

(a) 83×14

(b) 38×14

(c) 83×41

(d) 38×41

15 The closest estimation for the multiplication operation: $3,324 \times 12$

(a) 60,000

(b) 20,000

(c) 30,000

(d) 90,000

16 $6,281 \times 23 = \dots$

(a) 142,463

(b) 143,463

(c) 144,463

(d) 144,436

17 3 Hundreds $\times$ 7 Hundreds = hundreds

(a) 210,000

(b) 2,100

(c) 21,000

(d) 21

18 The missing number in the product is

(a) 2,882

(b) 10,122

(c) 2,892

(d) 2,880

19 What is the unknown value in the area model of 21×53 ?

(a) 600

(c) 6,000

(b) 6

(d) 60

	50	3
20	1,000	?
1	50	3

$$\begin{array}{r} 723 \\ \times 14 \\ \hline \dots\dots\dots \\ + 7,230 \\ \hline 10,122 \end{array}$$



Q2: Answer The Following

1 Find the (GCF) and (LCM) of the two numbers 10 and 15

$$\text{GCF} = 5$$

$$\text{LCM} = 30$$

--	--

2 Using the distributive property, find the product: 42×43 .

$$1,806$$

3 The product of 689×21 is closer to the product of $\times$

4 $\times 1,000 = 850,000$

5 $24 \times 15 =$ tens

6 Use area model to find the product of 26×43 .

$$1,118$$

7 Yousef bought 100 pens of the same type. The price of each pen is 12 pounds.
How much money Yousef paid ?

$$1,200$$

8 The Ones digit of the product of $5,747 \times 79$ will be 3

9 Sara bought 54 books for 100 L.E each She paid = 5,400

10 The product of 892×42 is closer to the product of $\times$ 900 40

11 $7,636 \times 8 =$ 61,088



- 12 Hossam drives his car for a distance of 60 kilometers every day.
How many kilometers will he drive his car in 187 days?

11,220

- 13 Using your preferred strategy, find the product: 306×19

5,814

- 14 Ahmad trains every 3 days, while Osama trains every 4 days. Both friends are training together today. How many days will pass until they train together for the second time? Do you need to use LCM or GCF?

12 days

LCM

- 15 Using the rectangle area model, find the product of: 42×326

13,692



- 16 Using the distributive property, find the product of: 92×83

7,636

- 17 A cinema has 37 screens. Each screen has 472 seats.
How many seats are there in the cinema?

17,464

- 18 $56 \times \overset{87}{\dots\dots\dots} = (7 \times 6) + (7 \times 50) + (80 \times 6) + (80 \times 50)$



- 19 Marwa saved 125 pounds ,Ahmed saved 10 times as Marwa
,Mariam saved 6 times as Marwa, How much money they saved ?

$$\text{Marwa} = 125 \text{ L.E}$$

$$\text{Ahmed} = 1,250$$

$$\text{All} = 2,125$$

$$\text{Mariam} = 750$$

- 20 Farida bought 42 books for 50 L.E each, She paid**2,100**.....

21 $70 \times 80 = \text{.....}$ **5,600**

- 22 Mona uses 1,133 grams of sugar daily.

How many grams of sugar does she use in 30 weeks?

$$\text{237,930 grams}$$

- 23 In a shopping visit, Omran and his friends bought 18 T-shirts, each costing 265 pounds, and 13 pants, each costing 370 pounds. What is the total shopping cost?

$$\text{T-shirts} = 4,770$$

$$\text{Pant} = 4,810$$

$$\text{He paid} = 9,580 \text{ L.E}$$



Q1: Choose the correct answer

1 The divisor in the equation $63 \div 9 = 7$ is

(a) 63

(b) 9

(c) 7

(d) zero

2 $758 \div \dots\dots\dots = 758$

(a) 0

(b) 1

(c) 758

(d) otherwise

3 A man bought 16 toys for 672 L.E, then the price of each toy is L.E

(a) 40

(b) 41

(c) 42

(d) 43

4 In the equation $24 \div 4 = 6$, the remainder is

(a) 1

(b) 2

(c) 0

(d) 4

5 $55,055 \div 55 = \dots\dots\dots$

(a) 11

(b) 101

(c) 1,001

(d) 110

6 If $4,150 \div 29 = 143 \text{ R } \dots\dots\dots$

(a) 4

(b) 2

(c) 1

(d) 3

7 If $45 \times 37 = 1,665$. Then $1,668 \div 45 = \dots\dots\dots$

(a) 37 R 1

(b) 37 R 3

(c) 45 R 3

(d) 37 R 8

8 $3,003 \div 33 = \dots\dots\dots$

(a) 19

(b) 91

(c) 109

(d) 901

9 Using the opposite area model to divide $1,530 \div X$, then the value of X is

(a) 1,530

(b) 102

(c) 30

(d) 15

	100	2
$\times$	1,530	30
	1,500	30
	30	00



10 If $840 \div 24 = 35$, then $35 \times 24 + 5 = \dots\dots\dots$

a 840

b 850

c 845

d 485

11 $45 \div 6 = 7 \text{ R } 3$, the dividend is $\dots\dots\dots$

a 6

b 45

c 7

d 3

12 If $7,785 \div 31 = 251 \text{ R } 4$, then $31 \times 251 + 4 = \dots\dots\dots$

a 7,786

b 7,785

c 7,784

d 7,783

13 $\text{Zero} \div 846 = \dots\dots\dots$

a 0

b 1

c 2

d 846

14 $2,323 \div 23 = \dots\dots\dots$

a 111

b 110

c 101

d 11

15 $1,500 \div 50 = \dots\dots\dots$

a 3

b 30

c 300

d 3,000

16 The quotient of: $935 \div 17$ is $\dots\dots\dots$

a 99

b 35

c 55

d 132

17 Which of the following statements is correct?

a $25 \times 111 = 2,775$

b $111 \div 25 = 2,775$

c $40 \times 20 = 400$

d $30 \times 30 = 600$



Q2: Answer The Following

- 1 Estimate the result and then find the actual result using the rectangle area model for the following problem: $9,375 \div 75$.

Estimate $\approx 9,000 \div 75 = 120$; actual $9,375 \div 75 = 125$

- 2 Ahmed says that 22×242 will give the same result as 44×121 . Do you agree with him? Check your answer.

Yes; $22 \times 242 = 44 \times 121 = 5,324$

- 3 If $248 \div 12 = 20 \text{ R } 8$, then $12 \times 20 + \dots = 248$

- 4 The quotient in opposite area model is $\dots$

- 5 If $325 \div 25 = 13$, then 25 is called $\dots$

- 6 Use an area model to find the quotient of:
 $5,185 \div 34 = \dots$

	60	4
$\div 35$	$\begin{array}{r} 2,240 \\ - 2,240 \\ \hline \end{array}$	$\begin{array}{r} 140 \\ - 140 \\ \hline \end{array}$
	140	000

- 7 Distribute 5,400 L.E between 9 persons equally. How much every one take ?

600

- 8 Mr. Ahmed Nassr wants to distribute 280 prizes to 7 classes equally. How many prizes per each class ?

40 prizes per class



- 9 If 18 plums are packed each 3 in a bag,
How many bags will be there?

6 bags

- 10 The number that if divided by 23 has a quotient of 168 is **3,864** .

- 11 Quotient $\times$ divisor + remainder = **Dividend** .

- 12 **17,696** $\div 28 = 632$

- 13 Find the quotient of $144 \div 12$

12

- 14 A father wants to distribute 420 L.E. among his four children, He gave the oldest one half of total. How much money did each of other child get?

First = 210

Other three children = 70 L.E each

- 15 If the price of 13 books is 390 pounds, then the price of each book equals **30**

- 16 A charity wants to distribute 8,320 pounds
into 64 persons equally. What's the share of each person ?

130 pounds

- 17 If $6,996 \div 53 = 132$, then $53 \times 132 =$ **6,996**

- 18 If the quotient of $954 \div 15$ is 63 and remainder 9, then what is the result of: 15×63 ?

945

- 19 There are 4,875 pieces of chocolate, and they are packed into boxes
containing 24 pieces each. The seller wants to pack as many full boxes as possible.
How many boxes can he pack? And how many pieces will he have left?

203 boxes and 3 pieces left



حمل الآن

مجاناً وحصرياً

المراجعة رقم (6)

اختبار شهر نوفمبر



November Exercises

Q1: Choose the correct answer

1) The GCF of the two numbers 6 and 9 is

(a) 3

(b) 6

(c) 9

(d) 45

2) The LCM of the two numbers 5 and 10 is

(a) 5

(b) 10

(c) 20

(d) 50

3) The multiplication question represents the model is

(a) 33×72 (b) 33×27 (c) 72×30 (d) 7×3

	30	3
20	600	60
7	210	21

4) $(25 \times 7) + (25 \times 10) + (25 \times 100) = 25 \times \dots\dots\dots$

(a) 711

(b) 171

(c) 117

(d) 11.7

5) $45 \times 99 = \dots\dots\dots$

(a) 4554

(b) 4425

(c) 5452

(d) 4455

6) The result of estimation 88×42 using approximating is

(a) 3200

(b) 3600

(c) 4000

(d) 6300

7) The number when divided by 32 given a quotient of 125 and remainder 13 is

(a) 6755

(b) 6575

(c) 4557

(d) 4013

8) If Mohamed and his sister bought 34 pens, and the price of one pen is 215 pounds. If the total cost of the pens is divided equally between them, how much did each of them pay?

(a) 3556

(b) 3566

(c) 3655

(d) 5633

9) $4.5 \times \dots = 450$

(a) 10

(b) 100

(c) 1000

(d) 0.1

10) $34.6 \times 5 = \dots$

(a) 123

(b) 132

(c) 213

(d) 173

11) Omar bought 7 meals, the price of each meal equals 35.9 pounds, therefore the amount Omar paid =

(a) 21.3

(b) 251.6

(c) 251

(d) 251.3

12) $0.2 \times 0.5 = \dots$

(a) 0.1

(b) 10

(c) 1000

(d) 100

13) 56.8 kg = g

(a) 56.8

(b) 568

(c) 5680

(d) 56800

14) If the capacity of a vessel is 3.700 ml, then its capacity = Liter

(a) 37

(b) 370

(c) 3.7

(d) 7.3

Q2: Answer the following

1) Find the LCM and GCF for 6 and 12

.....

2) Seham wants to distribute 14 notebooks and 42 pens equally among a group of her friends, what is the greatest number of friends she can distribute these items among them

.....

3) Use the opposite area model to find: 12×35



4) Use the opposite area model to find: 356×24



5) Use the distributive property to find: 531×14

.....

6) Find the result of the following using standard algorithm:

$$\begin{array}{r} \times \quad 521 \\ \quad 39 \\ \hline + \quad \dots\dots\dots \\ \quad \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

$$\begin{array}{r} \times \quad 135 \\ \quad 14 \\ \hline + \quad \dots\dots\dots \\ \quad \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

$$\begin{array}{r} \times \quad 94 \\ \quad 40 \\ \hline + \quad \dots\dots\dots \\ \quad \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

$$\begin{array}{r} \times \quad 85 \\ \quad 26 \\ \hline + \quad \dots\dots\dots \\ \quad \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

7) Find the result using standard algorithm: a) 39×45

b) 521×22

- 8) Find the result using 3 different strategies: a) 23×73 b) 381×47
 (Strategies: area model – Distributive property – Standard algorithm)

	Area model	Distributive property	Standard algorithm
23×73			
381×47			

- 9) Estimate the following then find the actual result and compare the actual result with the result after estimation:

Estimation using
Front-end strategy

$$\begin{array}{r} \dots\dots\dots \\ \times \quad \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

Actual result

$$\begin{array}{r} 4521 \\ \times \quad 22 \\ \hline \dots\dots\dots \\ + \quad \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

Estimation

$$\begin{array}{r} \dots\dots\dots \\ \times \quad \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

- 10) A garden contains 46 rows of flowers; each row has 105 flowers. How many flowers are there in this garden?

- 11) Ahmed has 6549 pounds, he bought 12 books each of price 429 pounds. Calculate the amount of money remains with Ahmed.

.....

- 12) What is the number if it divided by 44 the quotient will be 213?

.....

13) Use the area model to find the quotient of: $8277 \div 31$

14) Find the estimation in: $9471 \div 41$, then compare the result with the actual result

15) Find the estimation in the following, then compare the result with the actual result using area model: a) $5148 \div 12$ b) $1620 \div 36$

	Estimated result	Actual result
$5148 \div 12$		
$1620 \div 36$		

16) Find the quotient using standard algorithm, then check your answers using multilocation:

$17 \overline{) 1270}$	
------------------------	--

$25 \overline{) 2750}$	
------------------------	--

$16 \overline{) 4800}$	
------------------------	--

$32 \overline{) 192}$	
-----------------------	--

- 17) Sami wants to distribute 7617 leaves equally among 22 bags, how many leaves will be in each bag? Find the remainder if exists
- 18) If the price of one pen is 14 pounds, how many pens can be bought with 6370 pounds?
- 19) Hala has an amount of 4000 pounds. She spent 400 pounds in the first month, and the second month she spent 3 times what she spent in the first month. Calculate how much she has left
- 20) Mona bought 75 school bags as a donate for one of the care homes. She paid 9225 pounds. How much would she pay when buying 66 bags?
- 21) Ahmed purchased 22 boxes of chocolates. The total cost of the boxes was 990 pounds. If you know that the box contains 9 pieces, what is the price of one piece?
- 22) What is the product of multiplicative identity element and the additive identity element?
- 23) If the price of one book is 75.75 pounds, what would be the price of 100 books of the same type?
- 24) Compare between: (237×0.01) and (23.7×100)
- 25) Find the result of: 98.77×0.1

26) Use the number-line to find the result: a) 0.2×5

b) 0.6×3

27) Use the repeated addition to find: 0.4×5

28) Find the result of the following:

$$\begin{array}{r} 1.98 \\ \times \quad 13 \\ \hline \dots\dots\dots \end{array}$$

$$\begin{array}{r} 5.27 \\ \times \quad 2 \\ \hline \dots\dots\dots \end{array}$$

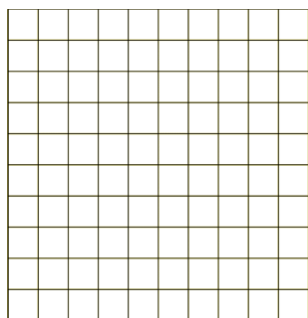
$$\begin{array}{r} 2.7 \\ \times \quad 3 \\ \hline \dots\dots\dots \end{array}$$

29) Compare the following: a) (7.73×2) and 22

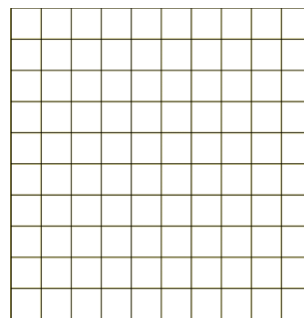
b) (6.25×4) and (6.5×3)

30) Use the model to find:

a) 0.1×0.6



b) 0.9×0.4



31) Find the result of the following:

$$\begin{array}{r} 0.4 \\ \times \quad 0.1 \\ \hline \dots\dots\dots \end{array}$$

$$\begin{array}{r} 0.5 \\ \times \quad 0.4 \\ \hline \dots\dots\dots \end{array}$$

$$\begin{array}{r} 0.8 \\ \times \quad 0.2 \\ \hline \dots\dots\dots \end{array}$$

32) Find the result using area model: 5.7×9.1

November Exercises

Q1: Choose the correct answer

1) The GCF of the two numbers 6 and 9 is

(a) 3

(b) 6

(c) 9

(d) 45

2) The LCM of the two numbers 5 and 10 is

(a) 5

(b) 10

(c) 20

(d) 50

3) The multiplication question represents the model is

(a) 33×72 (b) 33×27 (c) 72×30 (d) 7×3

	30	3
20	600	60
7	210	21

4) $(25 \times 7) + (25 \times 10) + (25 \times 100) = 25 \times \dots$

(a) 711

(b) 171

(c) 117

(d) 11.7

5) $45 \times 99 = \dots$

(a) 4554

(b) 4425

(c) 5452

(d) 44556) The result of estimation 88×42 using approximating is

(a) 3200

(b) 3600

(c) 4000

(d) 6300

7) The number when divided by 32 given a quotient of 125 and remainder 13 is

(a) 6755

(b) 6575

(c) 4557

(d) 4013

$$(32 \times 125) + 13 = 4013$$

8) If Mohamed and his sister bought 34 pens, and the price of one pen is 215 pounds. If the total cost of the pens is divided equally between them, how much did each of them pay?

(a) 3556

(b) 3566

(c) 3655

(d) 5633

9) $4.5 \times \dots = 450$

(a) 10

(b) 100

(c) 1000

(d) 0.1

10) $34.6 \times 5 = \dots$

(a) 123

(b) 132

(c) 213

(d) 173

11) Omar bought 7 meals, the price of each meal equals 35.9 pounds, therefore the amount Omar paid =

(a) 21.3

(b) 251.6

(c) 251

(d) 251.3

12) $0.2 \times 0.5 = \dots$

(a) 0.1

(b) 10

(c) 1000

(d) 100

13) 56.8 kg = g

(a) 56.8

(b) 568

(c) 5680

(d) 56800

14) If the capacity of a vessel is 3,700 ml, then its capacity = Liter

(a) 37

(b) 370

(c) 3.7

(d) 7.3

Q2: Answer the following

1) Find the LCM and GCF for 6 and 12 **LCM = 12 / GCF = 6**

2) Seham wants to distribute 14 notebooks and 42 pens equally among a group of her friends, what is the greatest number of friends she can distribute these items among them **To find the greatest number of friends we need to find GCF for 14 and 42**

..... **The GCF = 14 So, the greatest number of friends is 14**

3) Use the opposite area model to find: 12×35

$$300 + 60 + 50 + 10 = 420$$

	10	2
30	300	60
5	50	10

4) Use the opposite area model to find: 356×24

$$6000 + 1000 + 120 + 1200 + 200 + 24 = 8544$$

	300	50	6
20	6000	1000	120
4	1200	200	24

5) Use the distributive property to find: 531×14 **$(500 + 30 + 1) \times (10 + 4)$**

$$\text{..... } (500 \times 10) + (500 \times 4) + (30 \times 10) + (30 \times 4) + (1 \times 10) + (1 \times 4) \text{}$$

$$\text{..... } 5000 + 2000 + 300 + 120 + 10 + 4 = 7434 \text{}$$

6) Find the result of the following using standard algorithm:

$$\begin{array}{r} 521 \\ \times 39 \\ \hline \text{.....}4689\text{..} \\ + \text{.....}15630\text{..} \\ \hline \text{.....}20319\text{..} \end{array}$$

$$\begin{array}{r} 135 \\ \times 14 \\ \hline \text{.....}540\text{..} \\ + \text{.....}1350\text{..} \\ \hline \text{.....}1890\text{..} \end{array}$$

$$\begin{array}{r} 94 \\ \times 40 \\ \hline \text{.....}3760\text{..} \end{array}$$

$$\begin{array}{r} 85 \\ \times 26 \\ \hline \text{.....}510\text{..} \\ + \text{.....}1700\text{..} \\ \hline \text{.....}2210\text{..} \end{array}$$

7) Find the result using standard algorithm: a) 39×45

$$\begin{array}{r} 39 \\ \times 45 \\ \hline 195 \\ + 1560 \\ \hline 1755 \end{array}$$

b) 521×22

$$\begin{array}{r} 521 \\ \times 22 \\ \hline 1042 \\ + 10420 \\ \hline 11462 \end{array}$$

8) Find the result using 3 different strategies: a) 23×73 b) 381×47

(Strategies: area model – Distributive property – Standard algorithm)

	Area model	Distributive property	Standard algorithm
23×73	$ \begin{array}{cc} 20 & 3 \\ 70 & \begin{array}{ c c } \hline 1400 & 210 \\ \hline \end{array} \\ 3 & \begin{array}{ c c } \hline 60 & 9 \\ \hline \end{array} \\ \hline & 1679 \end{array} $	$ \begin{aligned} &(20 + 3) \times (70 + 3) \\ &(20 \times 70) + (20 \times 3) + (3 \times 70) + (3 \times 3) \\ &1400 + 60 + 210 + 9 \\ &1679 \end{aligned} $	$ \begin{array}{r} 23 \\ \times 73 \\ \hline 69 \\ + 1610 \\ \hline 1679 \end{array} $
381×47	$ \begin{array}{ccc} 300 & 80 & 1 \\ 40 & \begin{array}{ c c c } \hline 12000 & 3200 & 40 \\ \hline \end{array} \\ 7 & \begin{array}{ c c c } \hline 2100 & 560 & 7 \\ \hline \end{array} \\ \hline & 17907 \end{array} $	$ \begin{aligned} &(300 + 80 + 1) \times (40 + 7) \\ &(300 \times 40) + (300 \times 7) + (80 \times 40) + \\ &(80 \times 7) + (1 \times 40) + (1 \times 7) \\ &17907 \end{aligned} $	$ \begin{array}{r} 381 \\ \times 47 \\ \hline 2667 \\ + 15240 \\ \hline 17907 \end{array} $

9) Estimate the following then find the actual result and compare the actual result with the result after estimation:

Estimation using
Front-end strategy

$$\begin{array}{r}
 \dots 4000 \dots \\
 \times \dots 20 \dots \\
 \hline
 \dots 80000 \dots
 \end{array}$$

Not
reasonable

Actual result

$$\begin{array}{r}
 4521 \\
 \times 22 \\
 \hline
 \dots 9042 \dots \\
 + \dots 90420 \dots \\
 \hline
 \dots 99,462 \dots
 \end{array}$$

Estimation

$$\begin{array}{r}
 \dots 5000 \dots \\
 \times \dots 20 \dots \\
 \hline
 \dots 100,000 \dots
 \end{array}$$

reasonable

10) A garden contains 46 rows of flowers; each row has 105 flowers. How many flowers are there in this garden? $46 \times 105 = 4830$ flowers.....

11) Ahmed has 6549 pounds, he bought 12 books each of price 429 pounds. Calculate the amount of money remains with Ahmed.

..... The price of all books = $12 \times 429 = 5148$ pounds.....

..... The amount of money remains = $6549 - 5148 = 1401$ pounds.....

12) What is the number if it divided by 44 the quotient will be 213?

..... $44 \times 213 = 9372$ So, the number is 9372.....

13) Use the area model to find the quotient of: $8277 \div 31$

	200	60	7
31	$\begin{array}{r} 8277 \\ - 6200 \\ \hline 2077 \end{array}$	$\begin{array}{r} 2077 \\ - 1860 \\ \hline 217 \end{array}$	$\begin{array}{r} 217 \\ - 217 \\ \hline 000 \end{array}$

14) Find the estimation in: $9471 \div 41$, then compare the result with the actual result

Estimation = $9000 \div 40 = 225$

Actual result = 231

$$\begin{array}{r} 231 \\ 41 \overline{) 9471} \\ \underline{82} \\ 127 \\ \underline{123} \\ 41 \\ \underline{41} \\ 00 \end{array}$$

reasonable

15) Find the estimation in the following, then compare the result with the actual result using area model: a) $5148 \div 12$ b) $1620 \div 36$

	Estimated result	Actual result
$5148 \div 12$	$5000 \div 10 = 500$ 	$\begin{array}{r} 429 \\ 12 \overline{) 5148} \\ \underline{48} \\ 34 \\ \underline{24} \\ 108 \\ \underline{108} \\ 000 \end{array}$ 429
$1620 \div 36$	$2000 \div 40 = 50$ 	$\begin{array}{r} 45 \\ 36 \overline{) 1620} \\ \underline{144} \\ 180 \\ \underline{180} \\ 000 \end{array}$ 45

16) Find the quotient using standard algorithm, then check your answers using multilocation:

$\begin{array}{r} 74 \\ 17 \overline{) 1270} \\ \underline{119} \\ 80 \\ \underline{68} \\ \text{R } 12 \end{array}$	check $\begin{array}{r} 74 \\ 17 \\ \hline 1258 \\ + \text{R } 12 \\ \hline 1270 \end{array}$
---	--

$\begin{array}{r} 110 \\ 25 \overline{) 2750} \\ \underline{25} \\ 25 \\ \underline{25} \\ 00 \end{array}$	check $\begin{array}{r} 110 \\ 25 \\ \hline 2750 \end{array}$
---	--

$\begin{array}{r} 300 \\ 16 \overline{) 4800} \\ \underline{48} \\ 00 \end{array}$	check $\begin{array}{r} 300 \\ 16 \\ \hline 4800 \end{array}$
---	--

$\begin{array}{r} 6 \\ 32 \overline{) 192} \\ \underline{192} \\ 000 \end{array}$	check $\begin{array}{r} 32 \\ 6 \\ \hline 192 \end{array}$
---	---

- 17) Sami wants to distribute 7617 leaves equally among 22 bags, how many leaves will be in each bag? Find the remainder if exists

$$\begin{array}{r} 346 \\ 22 \overline{) 7617} \\ \underline{66} \\ 101 \\ \underline{88} \\ 137 \\ \underline{132} \\ 005 \end{array} \quad 346 \text{ R } 5$$

- 18) If the price of one pen is 14 pounds, how many pens can be bought with 6370 pounds?

$$\begin{array}{r} 455 \\ 14 \overline{) 6370} \\ \underline{56} \\ 77 \\ \underline{70} \\ 70 \\ \underline{70} \\ 00 \end{array} \quad 455 \text{ pens}$$

- 19) Hala has an amount of 4000 pounds. She spent 400 pounds in the first month, and the second month she spent 3 times what she spent in the first month. Calculate how much she has left ...
The amount she spent in second month = $3 \times 400 = 1200$
The left money = $4000 - (400 + 1200) = 4000 - 1600 = 2400$ pounds.....

- 20) Mona bought 75 school bags as a donate for one of the care homes. She paid 9225 pounds. How much would she pay when buying 66 bags?

.....The price of one bag = $9225 \div 75 = 123$ pounds.....
What she pays when buying 66 bags = $123 \times 66 = 8118$ pounds.....

- 21) Ahmed purchased 22 boxes of chocolates. The total cost of the boxes was 990 pounds. If you know that the box contains 9 pieces, what is the price of one piece?

.....The cost of one box = $990 \div 22 = 45$ pounds.....
The cost of one piece = $45 \div 9 = 5$ pounds.....

- 22) What is the product of multiplicative identity element and the additive identity element?
Multiplicative identity is 1 and additive identity is 0. So $1 \times 0 = 0$

- 23) If the price of one book is 75.75 pounds, what would be the price of 100 books of the same type?
 $75.75 \times 100 = 7575$ pounds.....

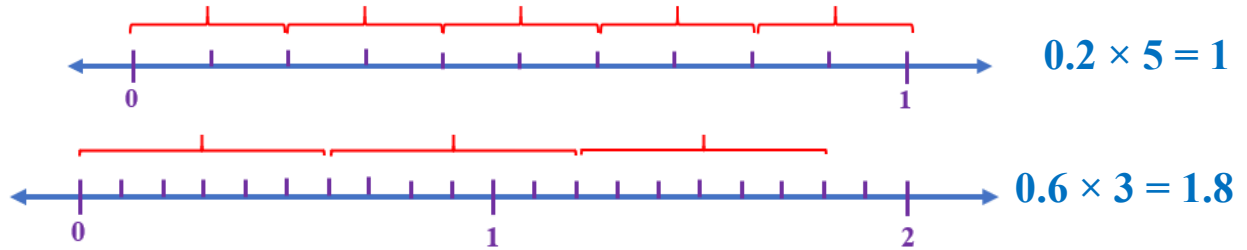
- 24) Compare between: (237×0.01) and (23.7×100)

..... $237 \times 0.01 = 2.37$ and $23.7 \times 100 = 2370$
So, $237 \times 0.01 < 23.7 \times 100$

- 25) Find the result of: 98.77×0.1
9.877.....



- 26) Use the number-line to find the result: a) 0.2×5 b) 0.6×3



- 27) Use the repeated addition to find: 0.4×5 $0.4 + 0.4 + 0.4 + 0.4 + 0.4 = 2$

- 28) Find the result of the following:

$$\begin{array}{r} 1.98 \\ \times 13 \\ \hline 25.74 \end{array}$$

$$\begin{array}{r} 5.27 \\ \times 2 \\ \hline 10.54 \end{array}$$

$$\begin{array}{r} 2.7 \\ \times 3 \\ \hline 8.1 \end{array}$$

- 29) Compare the following: a) (7.73×2) and 22 b) (6.25×4) and (6.5×3)

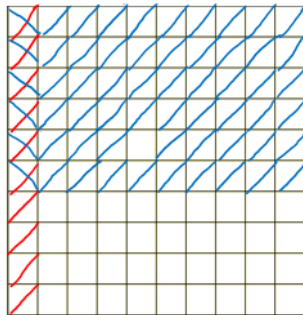
..... $7.73 \times 2 = 15.46$ =, So $(7.73 \times 2) < 22$

..... $6.25 \times 4 = 25$ and $6.5 \times 3 = 19.5$, So $(6.25 \times 4) > (6.5 \times 3)$

- 30) Use the model to find:

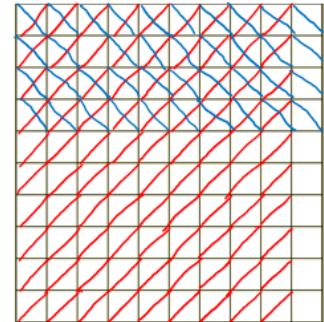
a) 0.1×0.6

Number of
squares including
x is 6
so = 0.06



b) 0.9×0.4

Number of
squares including
x is 36
so = 0.36



- 31) Find the result of the following:

$$\begin{array}{r} 0.4 \\ \times 0.1 \\ \hline 0.04 \end{array}$$

$$\begin{array}{r} 0.5 \\ \times 0.4 \\ \hline 0.2 \end{array}$$

$$\begin{array}{r} 0.8 \\ \times 0.2 \\ \hline 0.16 \end{array}$$

- 32) Find the result using area model: 5.7×9.1 5

	9	0.1
45	0.5	
0.7	6.3	0.07

حمل الآن

مجاناً وحصرياً

المراجعة رقم (7)

اختبار شهر نوفمبر



Choose the correct answer:

1 $45 \times 37 = (40 \times 30) + (40 \times \dots) + (5 \times 30) + (5 \times 7)$

- (a) 3 (b) 30 (c) 7 (d) 70

2 The product of: 230×49 is closer to

- (a) 10,000 (b) 1,000 (c) 20,000 (d) 8,000

3 $21 \times 300 = \dots\dots\dots$

- (a) 63 tens (b) 63 hundreds (c) 63 thousands (d) 63

4 Hoda bought 5 kg of mango for 25 pounds each. She paid =

- (a) $25 + 5$ (b) $25 - 5$ (c) 25×5 (d) $25 \div 5$

5 What is the ones digit in the product of 23×37 ?

- (a) 1 (b) 2 (c) 3 (d) 7

6 $(70 \times 30) + (70 \times 8) + (9 \times 30) + (9 \times 8) = \dots\dots\dots$

- (a) 70×30 (b) 70×9 (c) 30×8 (d) 79×38

7 $7 \times \dots\dots\dots = 7,000$

- (a) 10 (b) 100 (c) 1,000 (d) 10,000

8 The missing number in the opposite area model is

	50	3
20	1,000	?
1	50	3

- (a) 23 (b) 17 (c) 60 (d) 7

9 The missing number in the opposite standard algorithm of multiplication is

	723
$\times$	14
	
$+$	7,230
	10,122

- (a) 28,812 (b) 2,892 (c) 723 (d) 7,230

10 The divisor of $(12 \div 3 = 4)$ is

- (a) 0 (b) 3 (c) 4 (d) 12

11 The quotient of $(12 \div 6 = 2)$ is

- (a) 0 (b) 2 (c) 6 (d) 12



12	The dividend of ($21 \div 3 = 7$) is	a 0	b 3	c 7	d 21
13	The remainder of ($14 \div 3 = 4 \text{ R}2$) is	a 2	b 3	c 4	d 14
14	$3,636 \div 36 = \dots\dots\dots$	a 11	b 101	c 36	d 2
15	If $36 \times 29 = 1,044$ then $1,045 \div 36 = 29 \text{ R } \dots$	a 1	b 2	c 3	d 4
16	$0 \div 12 = \dots$	a 0	b 1	c 2	d 12
17	$150 \div 50 = \dots\dots$	a 2	b 3	c 30	d 300
18	2 hundreds $\times$ 9 hundreds = hundreds	a 180,000	b 18,000	c 1,800	d 18
19	The GCF of the two numbers 8 and 4 is	a 1	b 2	c 4	d 8
20	The LCM of the two numbers 6 and 12 is	a 1	b 2	c 6	d 12
21	Ola wants to make snake bags for upcoming trip; she has 12 pieces of cakes and 18 sandwiches. To know the <u>greatest</u> number of bags she would make, she must calculate	a GCF	b LCM	c product	d difference
22	$37 \times 24 = \dots\dots$	a 888	b 824	c 436	d 614
23	The dividend in the opposite area model is	a 2,500	b 12	c 208	d 4

$$\begin{array}{r}
 12 \overline{) \begin{array}{r|l} 200 & 8 \\ \hline 2,500 & 100 \\ -2,400 & -96 \\ \hline 100 & 4 \end{array}}
 \end{array}$$



24

The divisor in the opposite area model is

- (a) 2,500 (b) 12 (c) 208 (d) 4

$$\begin{array}{r} 200 \quad 8 \\ 12 \overline{) 2,500} \quad 100 \\ \underline{- 2,400} \quad - 96 \\ 100 \quad 4 \end{array}$$

25

The quotient in the opposite area model is

- (a) 2,500 (b) 12 (c) 208 (d) 4

$$\begin{array}{r} 200 \quad 8 \\ 12 \overline{) 2,500} \quad 100 \\ \underline{- 2,400} \quad - 96 \\ 100 \quad 4 \end{array}$$

26

The remainder in the opposite area model is

- (a) 2,500 (b) 12 (c) 208 (d) 4

$$\begin{array}{r} 200 \quad 8 \\ 12 \overline{) 2,500} \quad 100 \\ \underline{- 2,400} \quad - 96 \\ 100 \quad 4 \end{array}$$

27

The product of: 237×58 is closer to

- (a) 12,000 (b) 10,000 (c) 9,000 (d) 7,000

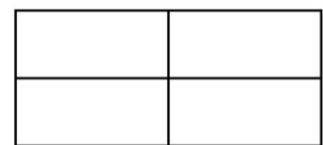
Complete:

1 The LCM of the two numbers 12 and 4 is

2 The GCF of the two numbers 5 and 10 is

3 Use the opposite area model to find the product of:

$24 \times 32 = \dots\dots\dots$



4 $24 \times 37 = (20 \times \dots) + (\dots \times 7) + (\dots \times 30) + (4 \times \dots)$

5 The ones digit in the product of: 35×23 is

6 If: $37 \times 24 = 888$, then $888 \div 24 = \dots\dots\dots$

7 If: $2,957 \div 123 = 24 \text{ R } 5$, then $123 \times 24 + \dots\dots\dots = 2,957$

8 If: $2430 \div 45 = 54$, then 54 is called

9 Quotient $\times$ divisor + remainder =

10 $3,600 \div 40 = \dots\dots\dots$



Essay Problems:

Find the GCF and LCM:

12, 16

12 =

16 =

GCF = =

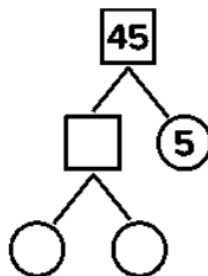
LCM = =

25 $\overline{) 5775}$

174

 $\times 32$

Complete this factor tree. The circles are prime factors. The square is a composite factor.



If 18 plums are divided equally into 3 bags , then how many plums will be in each bag ?



كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

